

Emergency Room of the Future

08.21.2008



Functional Adjacencies

Variables

- Facility Size
- Operational Models
- Technology
- Patient Safety
- Flexibility/Growth

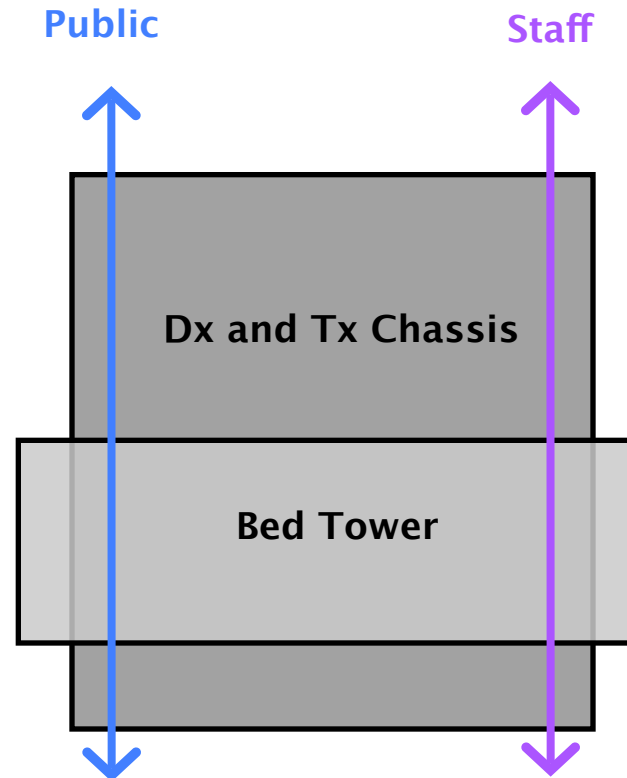
Design Concepts

Design Intent

Building Form

Traditional Hospital Form:

- Lack of Natural Light
- No Connection to Outdoors/ Nature
- No Separation of Inpatient and Outpatient Spaces



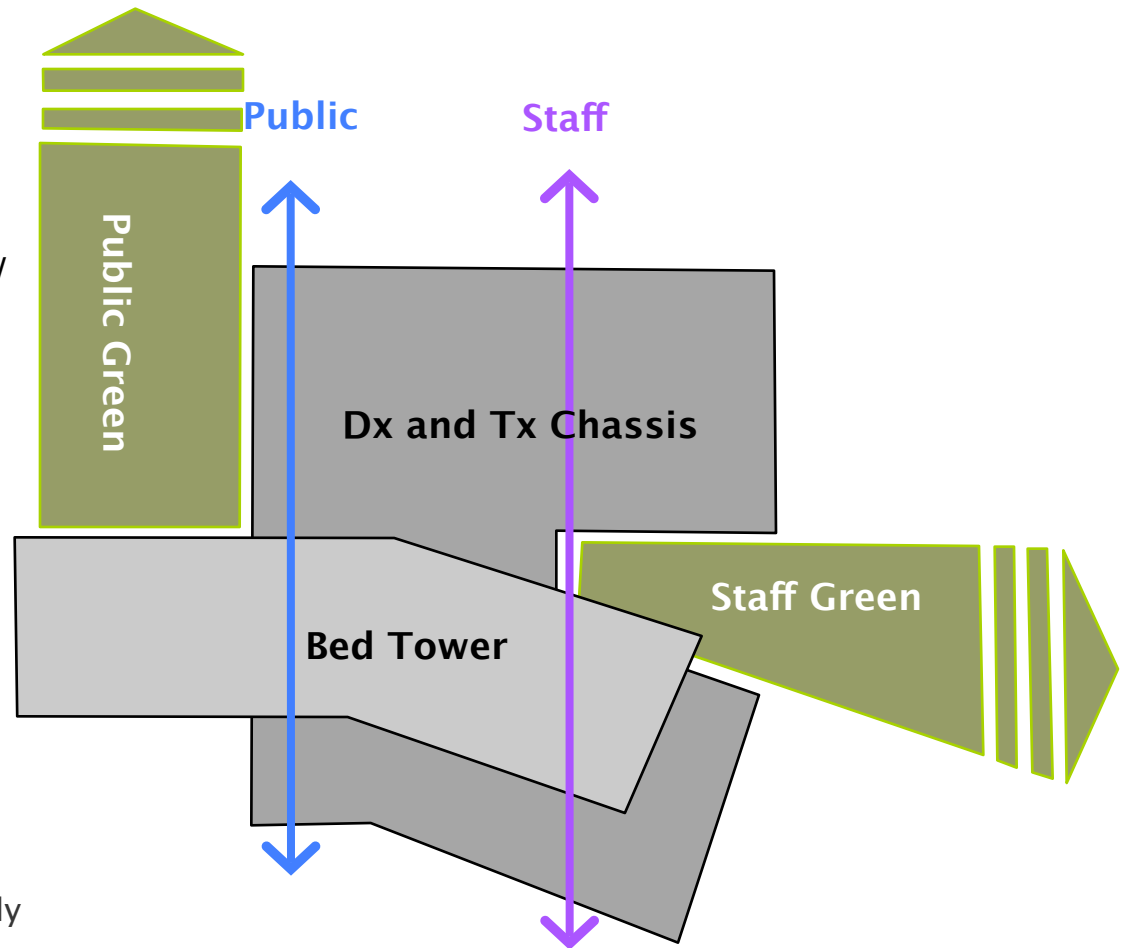
Design Intent

Building Form

Traditional Hospital Form:

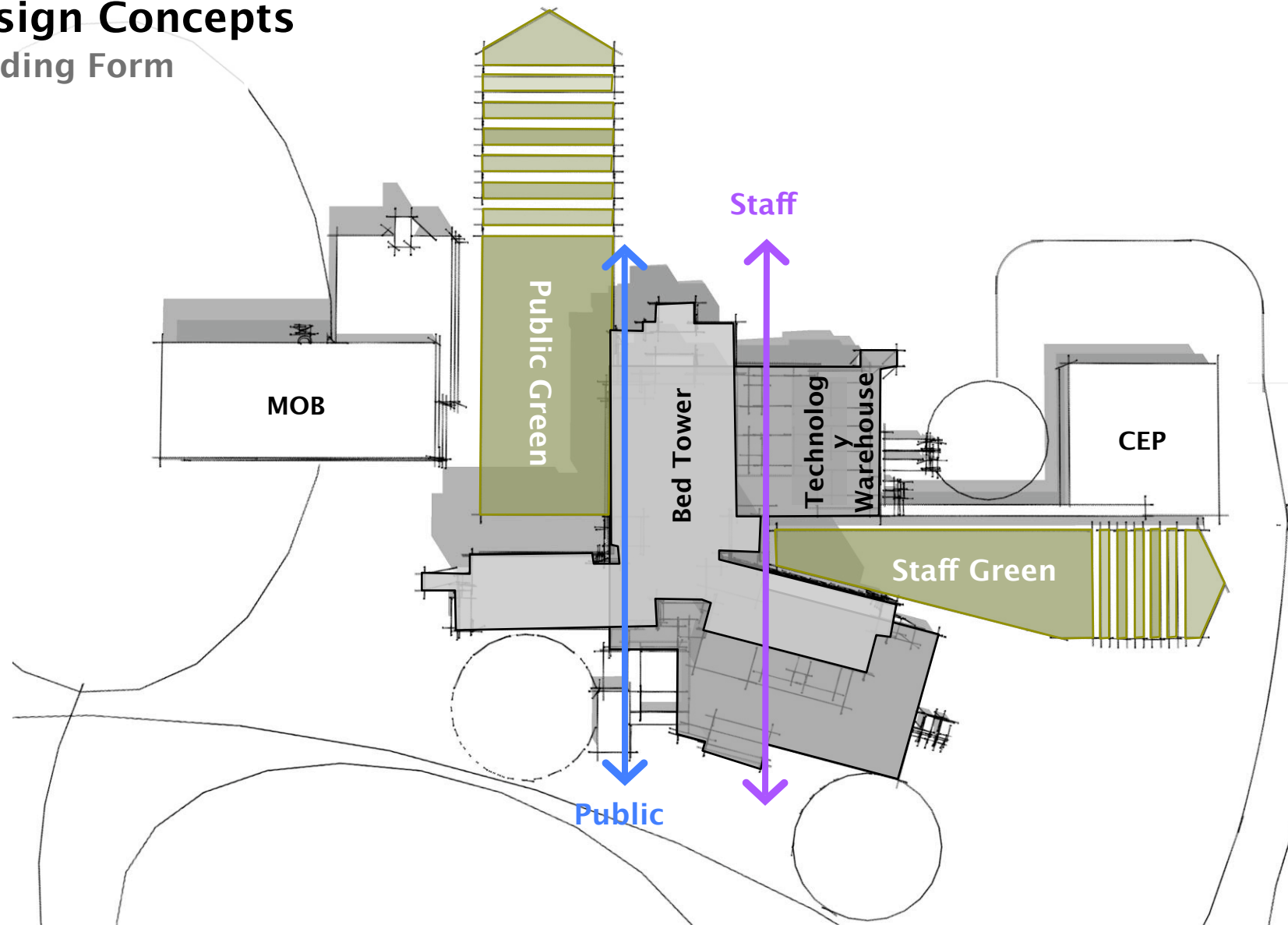
- Lack of Natural Light
- No Connection to Outdoors/ Nature
- No Separation of Inpatient and Outpatient Spaces

The integration of Green Spaces within the built form provides for staff and public restorative areas allowing for greater day lighting with in the interior of a traditionally large footprint



Design Concepts

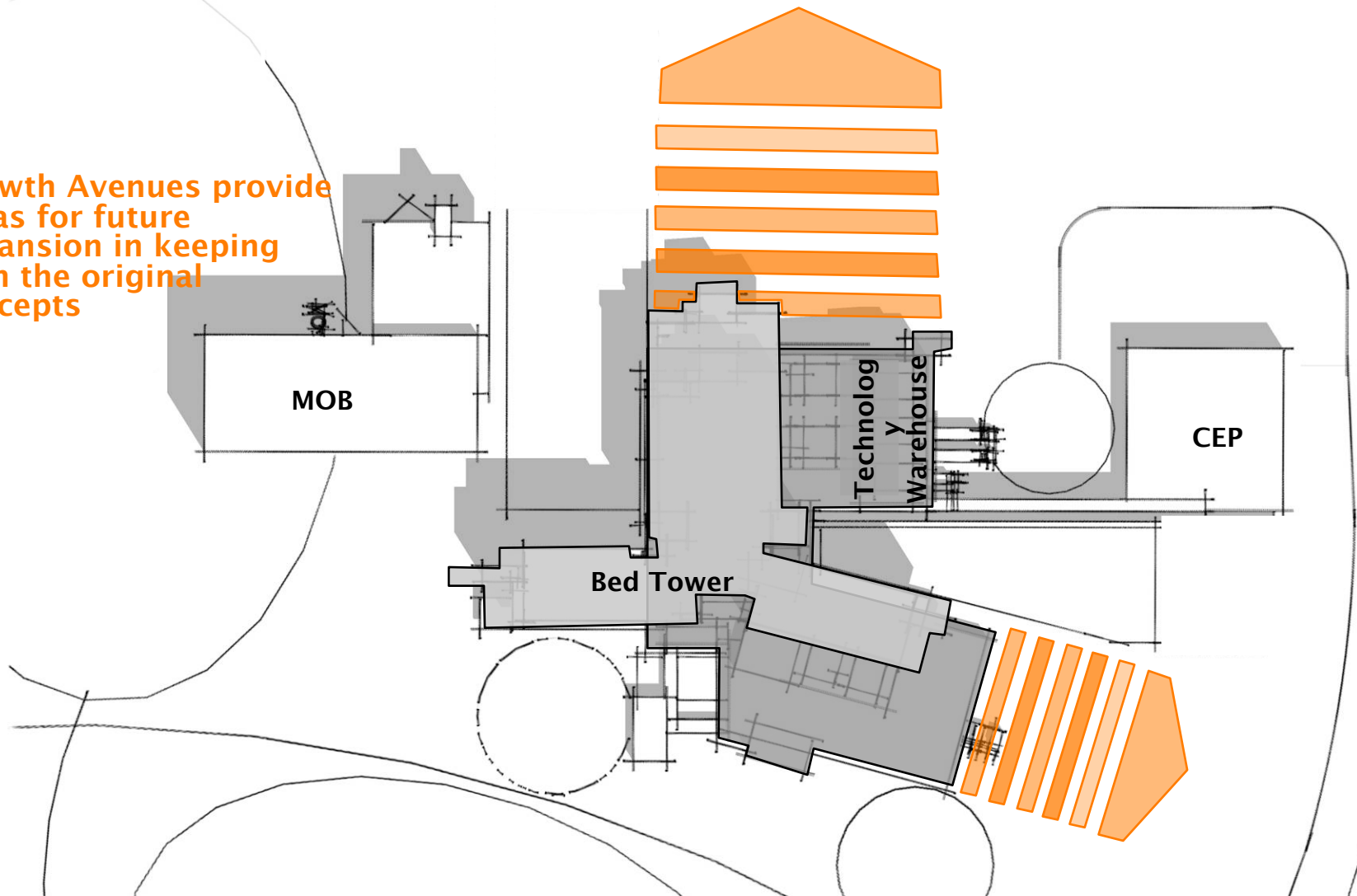
Building Form



Design Concepts

Building Form

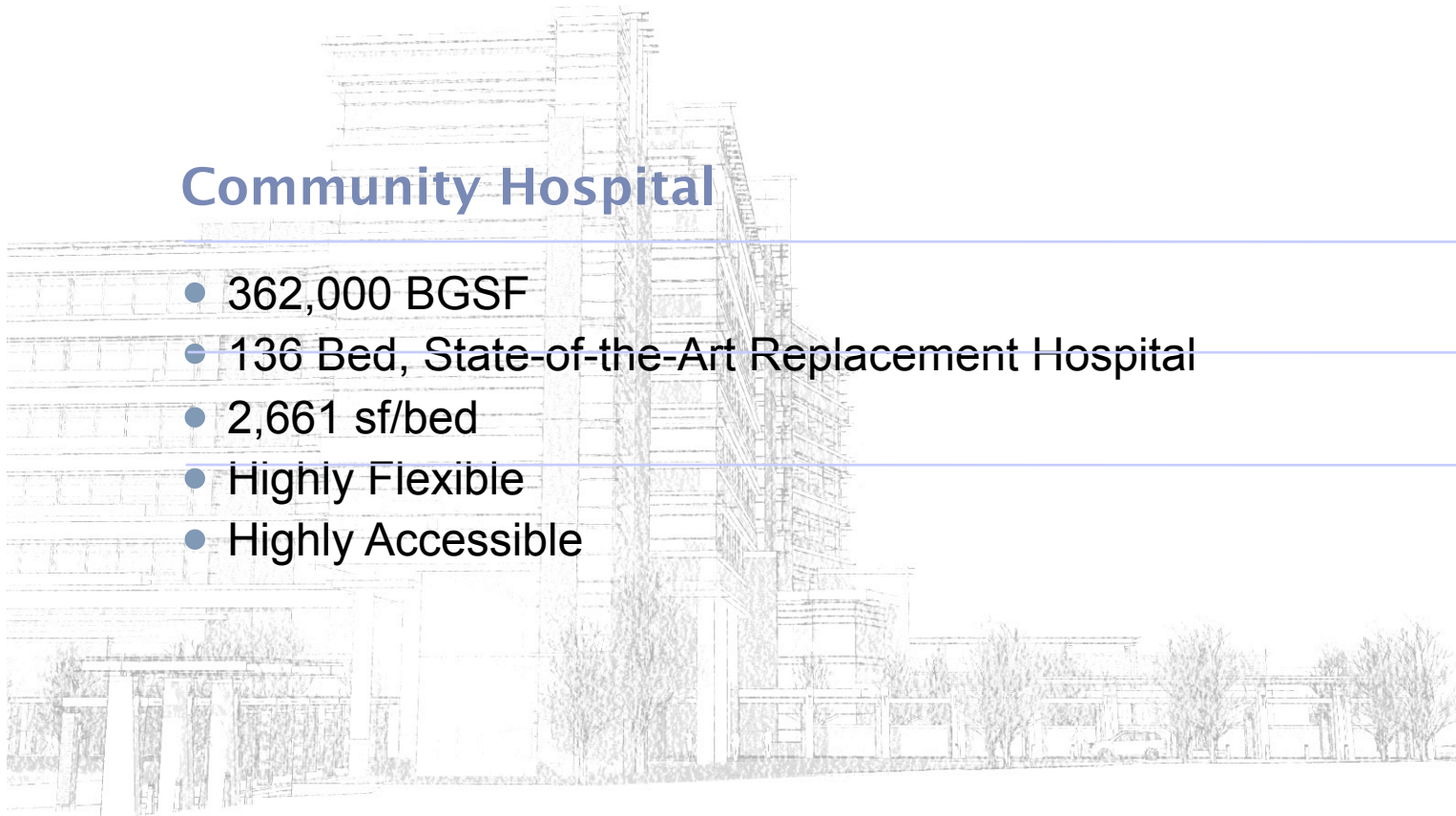
Growth Avenues provide areas for future expansion in keeping with the original concepts



Designing for the Future

Community Hospital

- 362,000 BGSF
- 136 Bed, State-of-the-Art Replacement Hospital
- 2,661 sf/bed
- Highly Flexible
- Highly Accessible















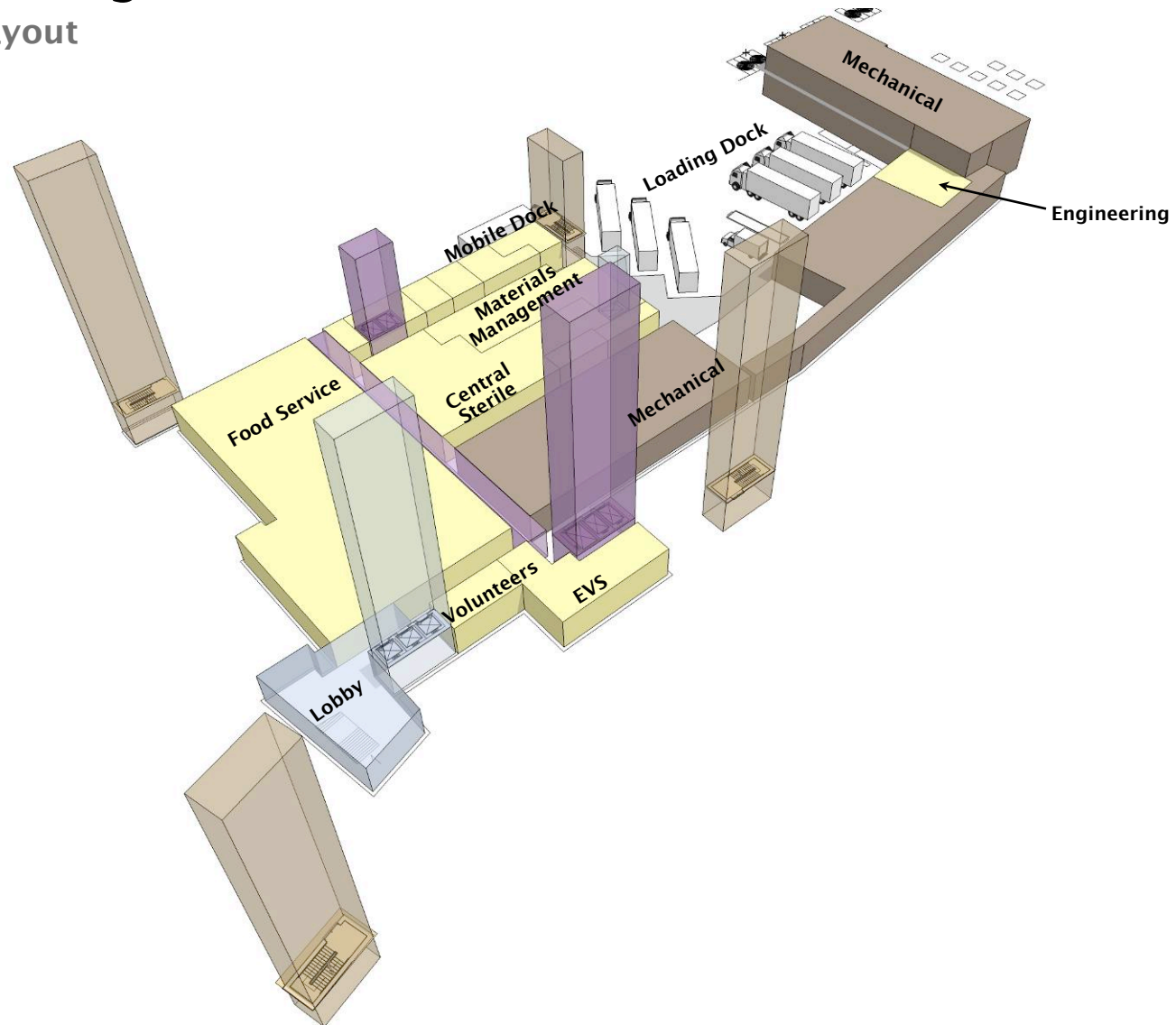
Building Massing

Departmental Layout

Food Service
 Central Sterile
 Materials Management
 EVS
 Mechanical
 Volunteers
 Engineering
 Body Holding
 Mobile Dock

LEGEND

	Mechanical
	Sterile Core
	Horizontal Circulation
	Logistics + Support
	Diagnostic + Treatment
	Patient Rooms
	Critical Care
	Acute Care
	Specialty Care
	Administration
	Public Areas
	Vertical Circulation



Building Massing

Departmental Layout

Diagnostic Imaging

Cardio / Pulmonary / PAT

Emergency Department

Lab

Pharmacy

Human Resources

Lobby

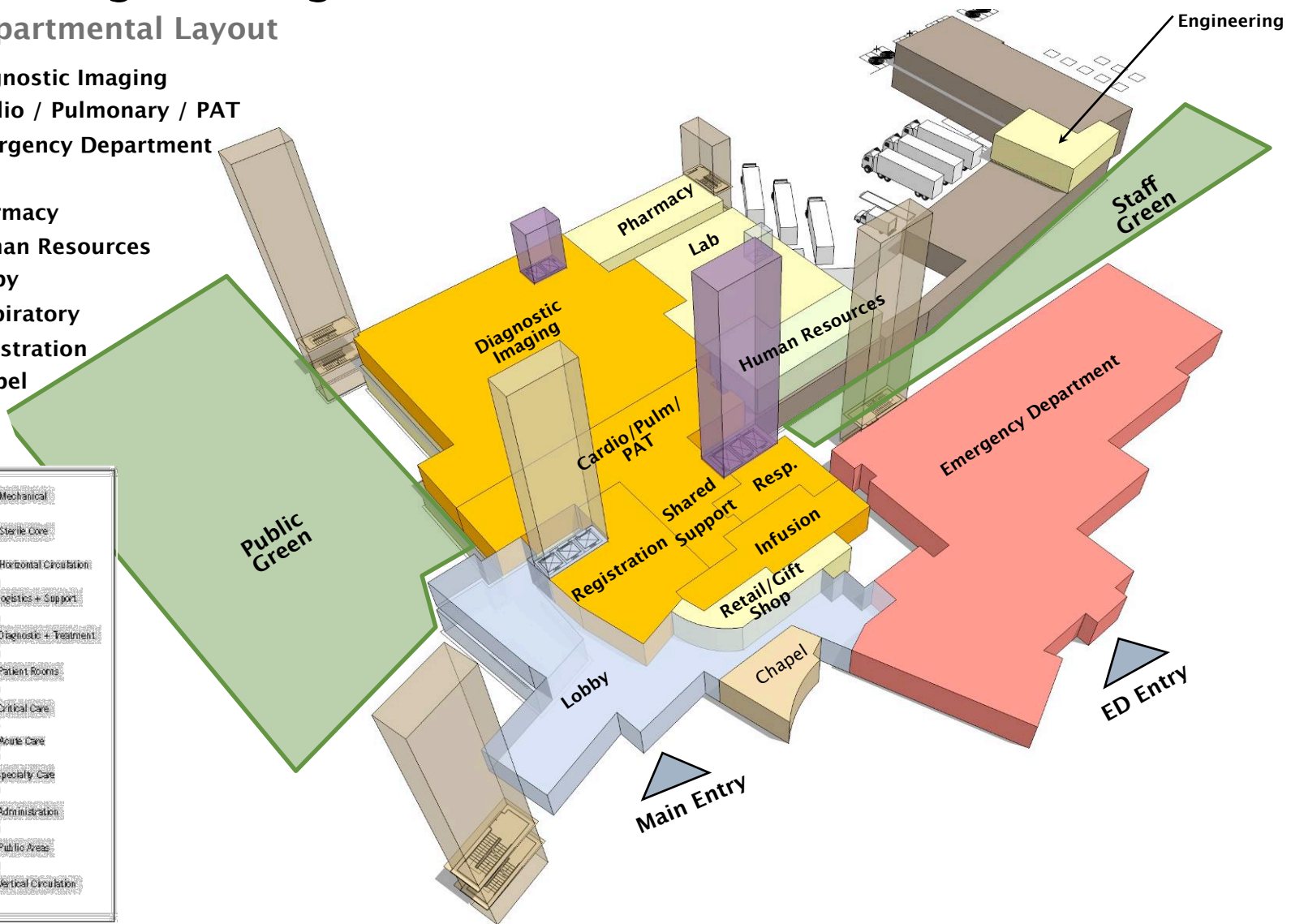
Respiratory

Registration

Chapel

LEGEND

	Mechanical
	Sterile Core
	Horizontal Circulation
	Logistics + Support
	Diagnostic + Treatment
	Patient Rooms
	Critical Care
	Acute Care
	Specialty Care
	Administration
	Public Areas
	Vertical Circulation




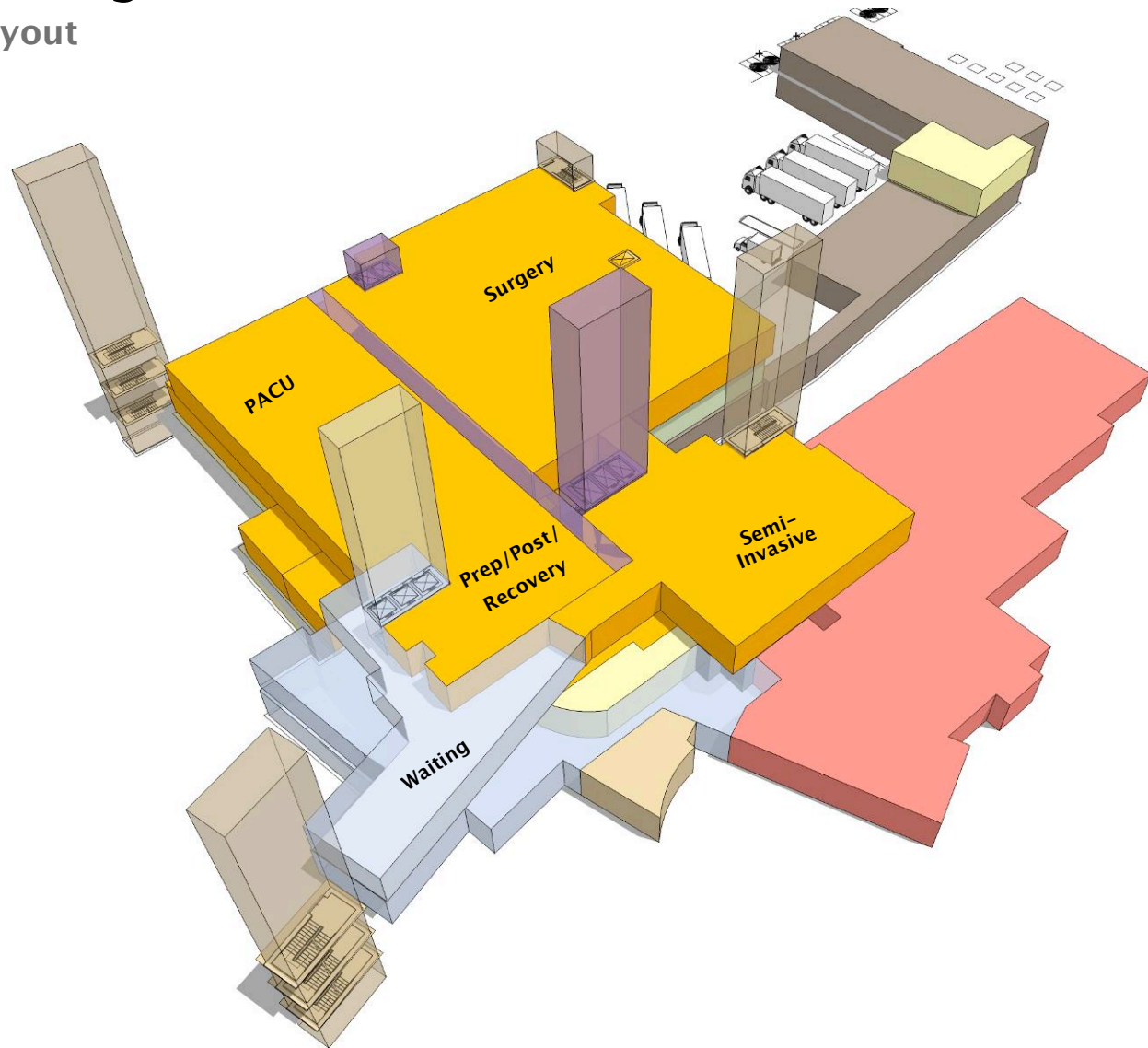
Building Massing

Departmental Layout

Surgery
Semi-Invasive
Prep/Post/Recovery
PACU
Waiting
Mechanical

LEGEND

	Mechanical
	Sterile Core
	Horizontal Circulation
	Logistics + Support
	Diagnostic + Treatment
	Patient Rooms
	Critical Care
	Acute Care
	Specialty Care
	Administration
	Public Areas
	Vertical Circulation



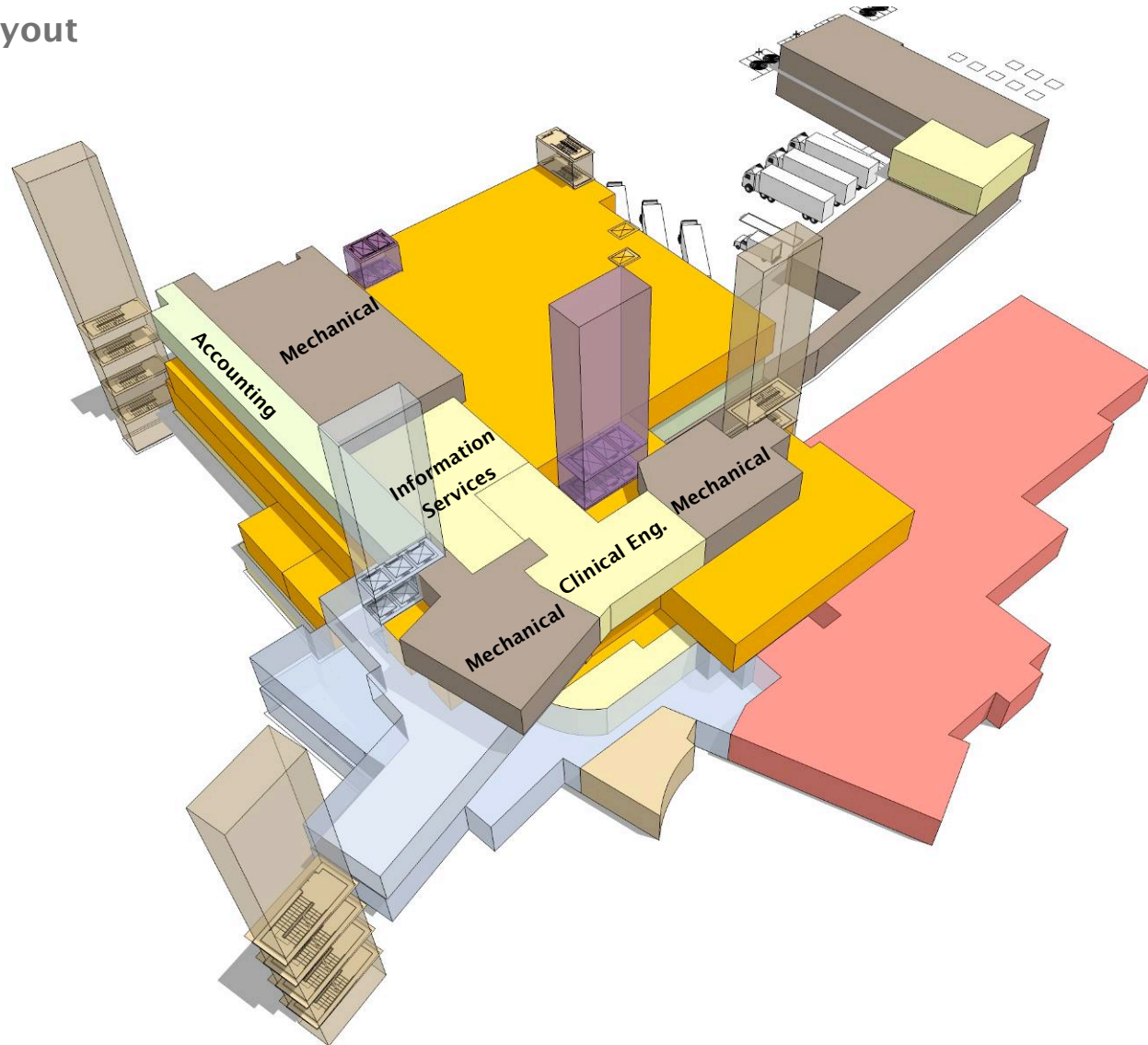
Building Massing

Departmental Layout

Accounting
Information Services
Clinical Engineering
Mechanical

LEGEND

	Mechanical
	Sterile Core
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	Diagnostic + Treatment
	Patient Rooms
	Critical Care
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	Administration
	Public Areas
	Vertical Circulation



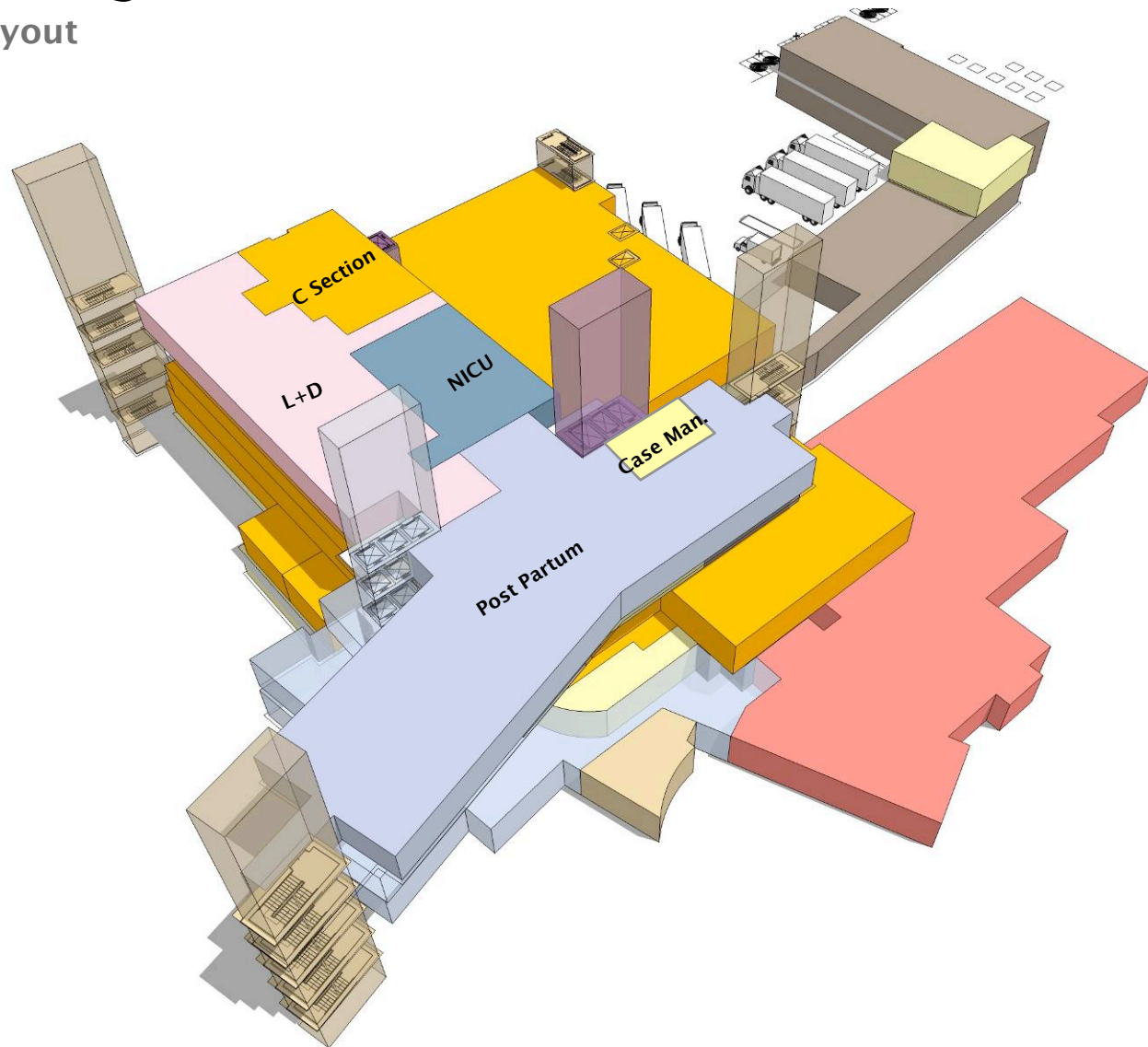
Building Massing

Departmental Layout

Post Partum 14 Beds
 NICU
 L+D
 C-Section
 Case Management
 Mechanical

LEGEND

	Mechanical
	Sterile Core
	Horizontal Circulation
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	Vertical Circulation



Building Massing

Departmental Layout

Intensive Care Unit – 18
Beds

Senior Admin / Nursing
Admin

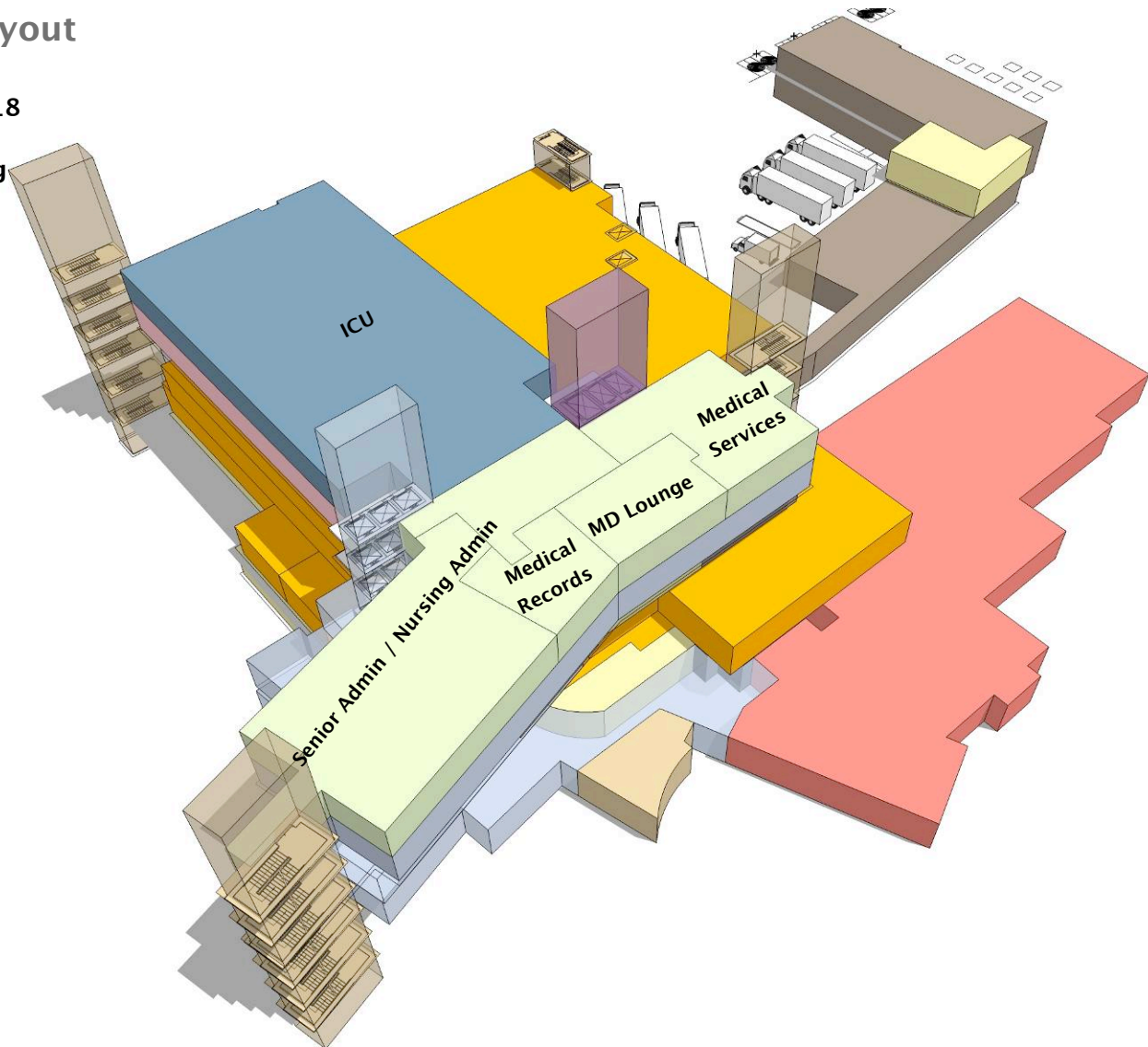
Medical Records

MD Lounge

Medical Services

LEGEND

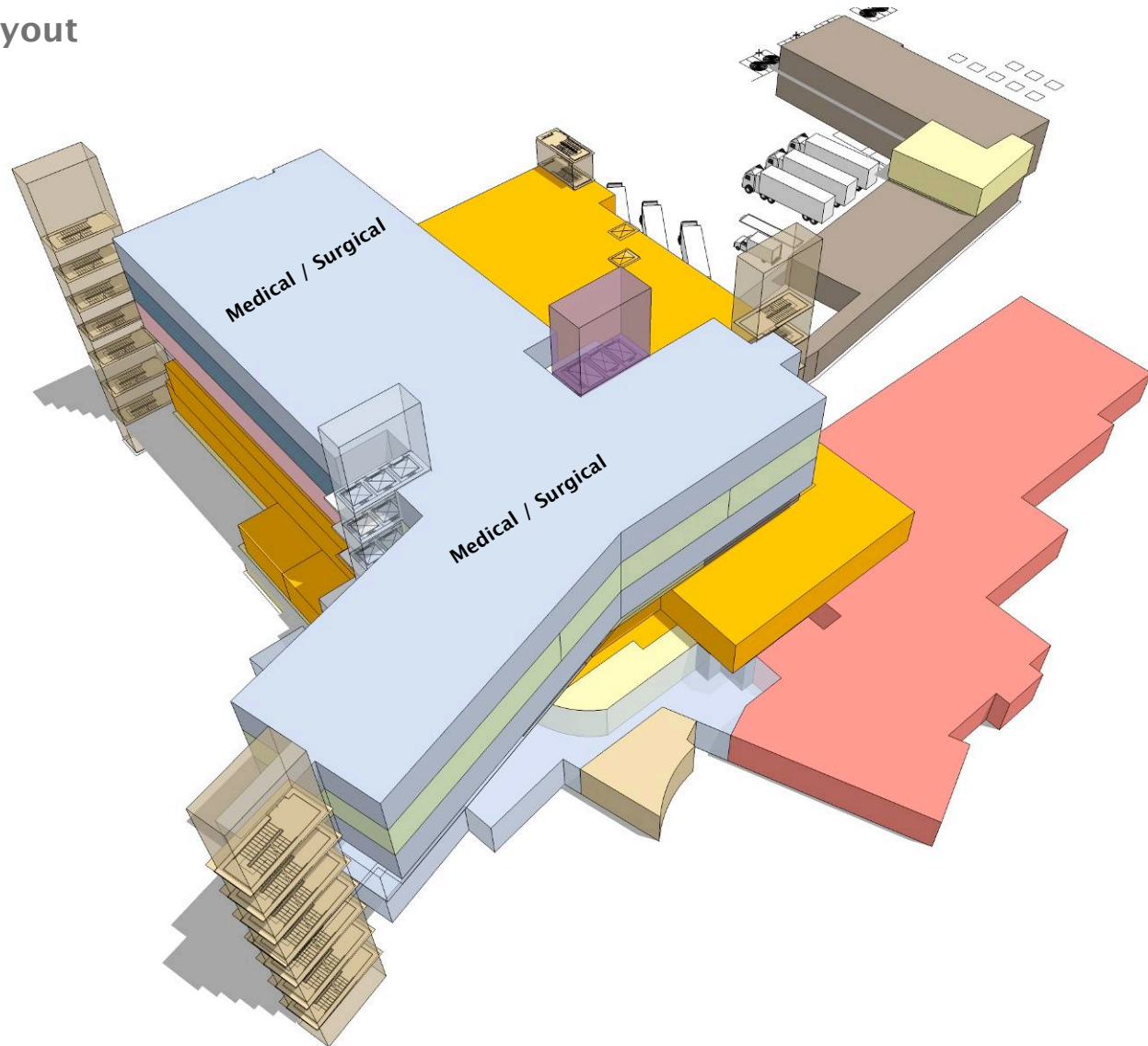
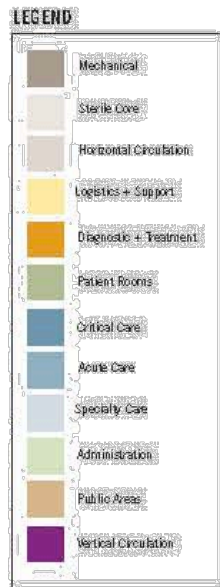
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Building Massing

Departmental Layout

Medical / Surgical
36 Beds















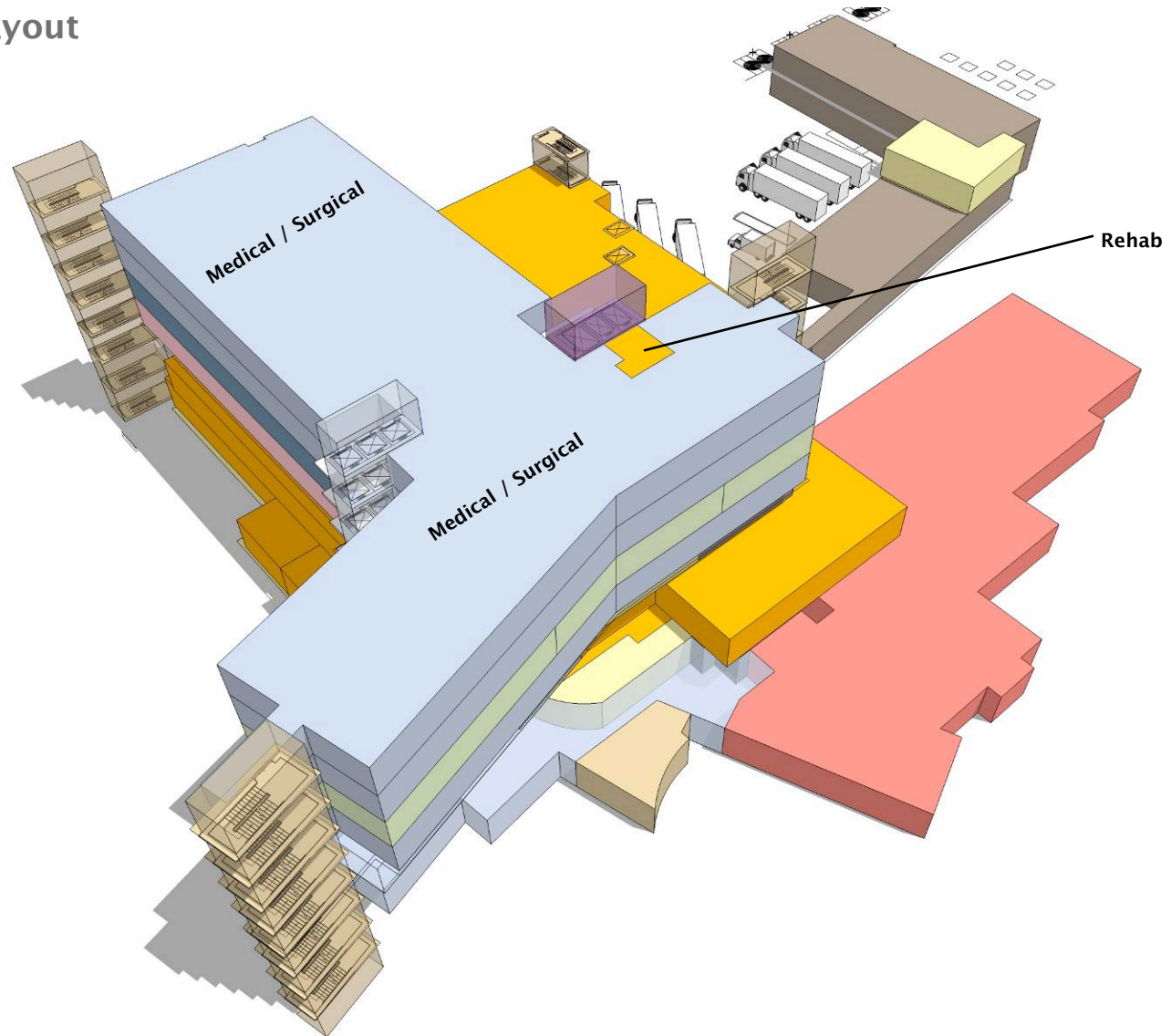
Building Massing

Departmental Layout

Medical / Surgical
36 Beds

Rehab

LEGEND	
	Mechanical
	Sterile Core
	Horizontal Circulation
	Logistics + Support
	Diagnostic + Treatment
	Patient Rooms
	Critical Care
	Acute Care
	Specialty Care
	Administration
	Public Areas
	Vertical Circulation



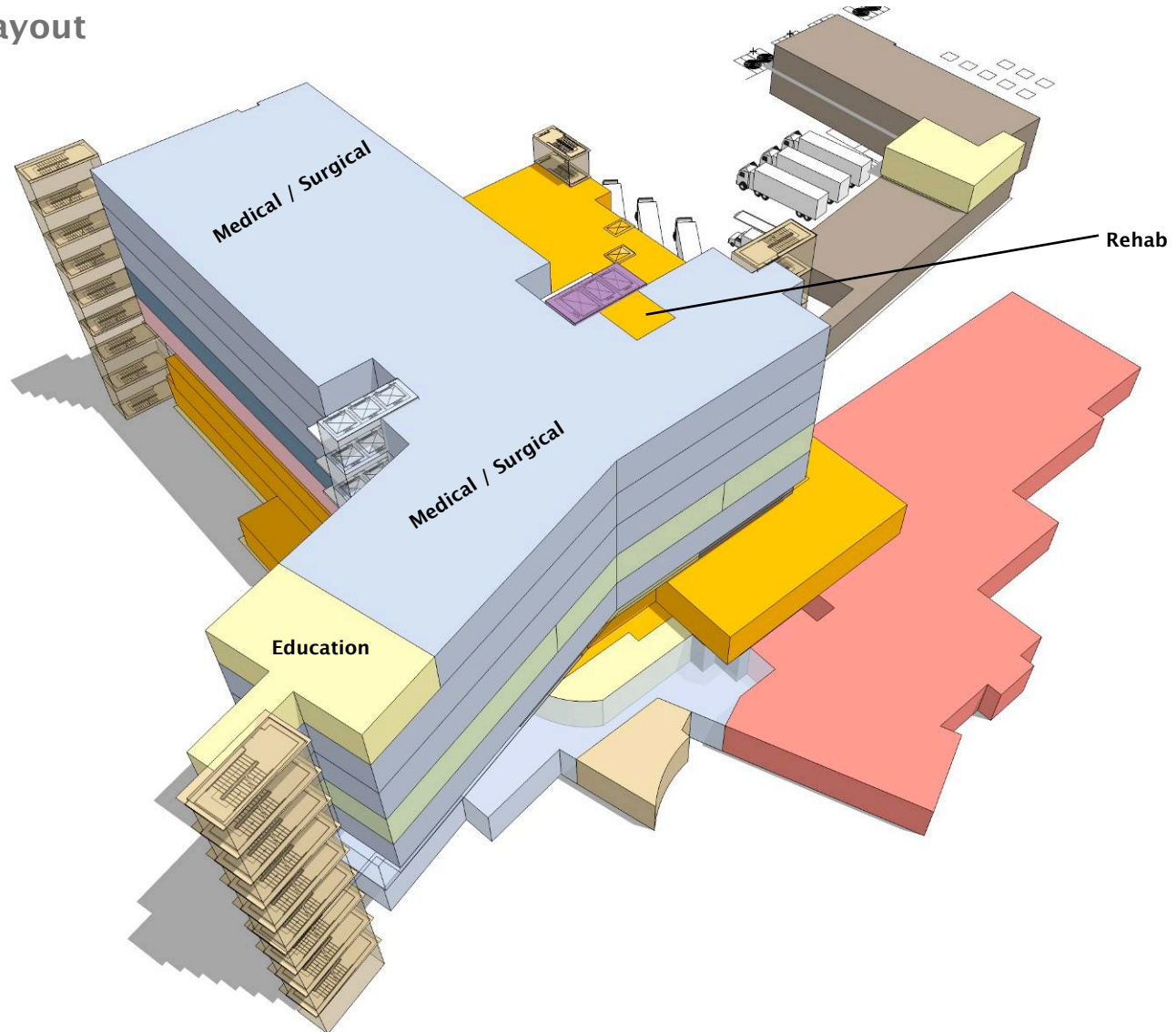
Building Massing

Departmental Layout

Medical / Surgical
36 Beds

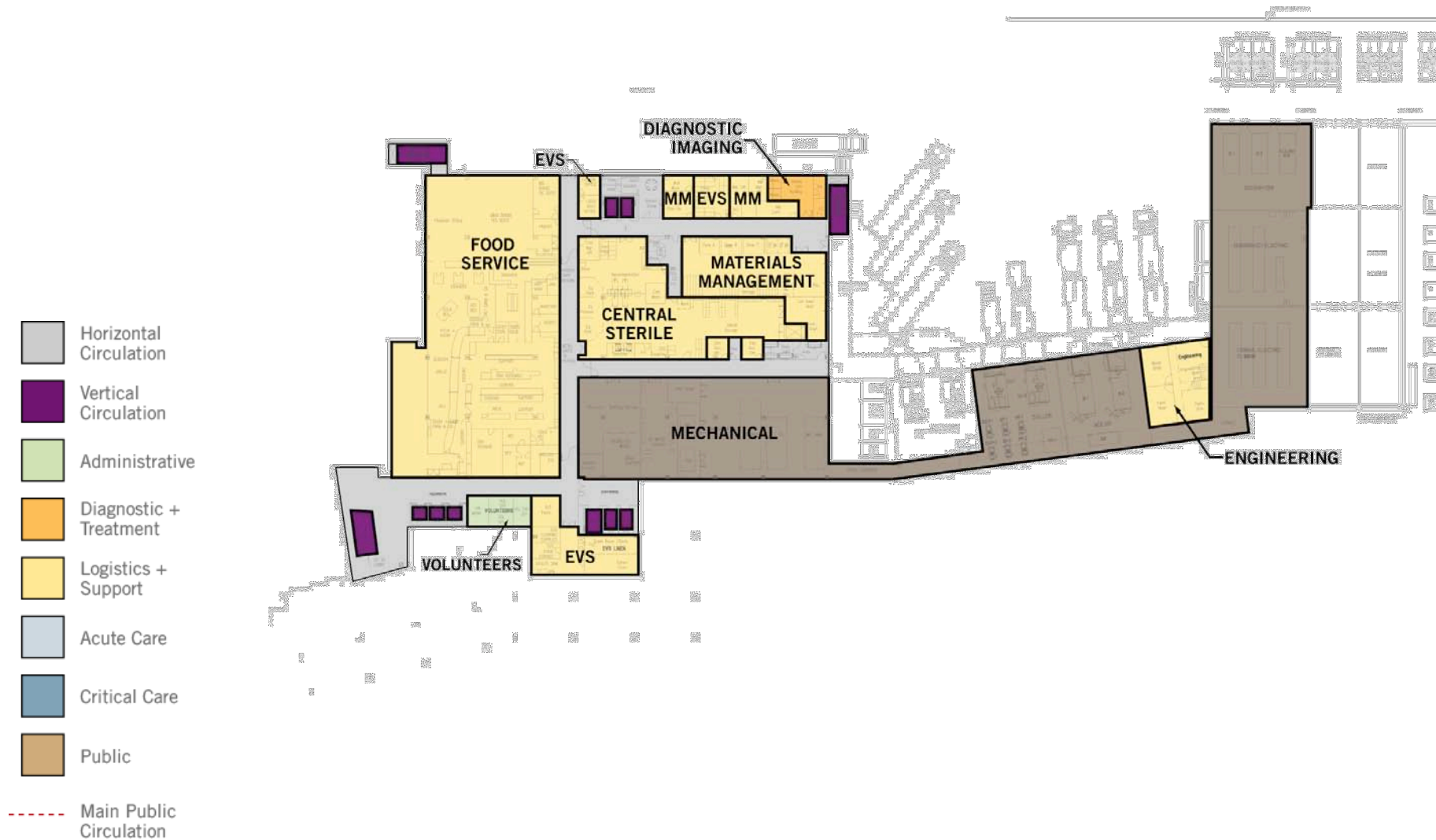
Education
Rehab

LEGEND	
	Mechanical
	Sterile Core
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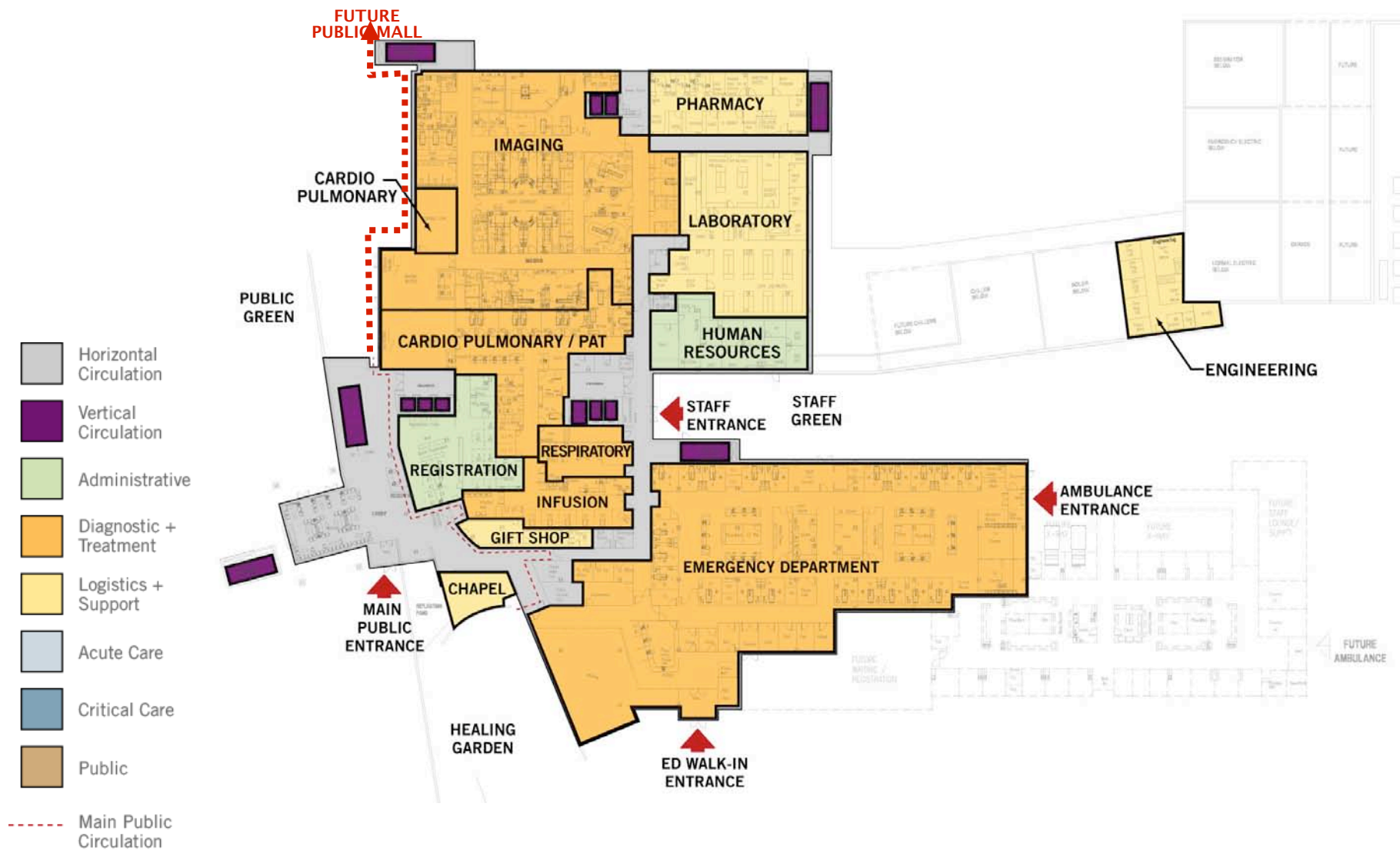


Departmental Layouts

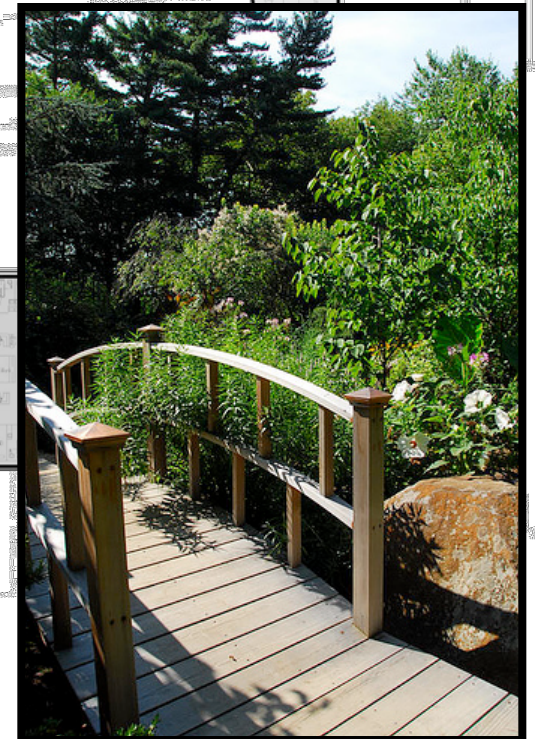
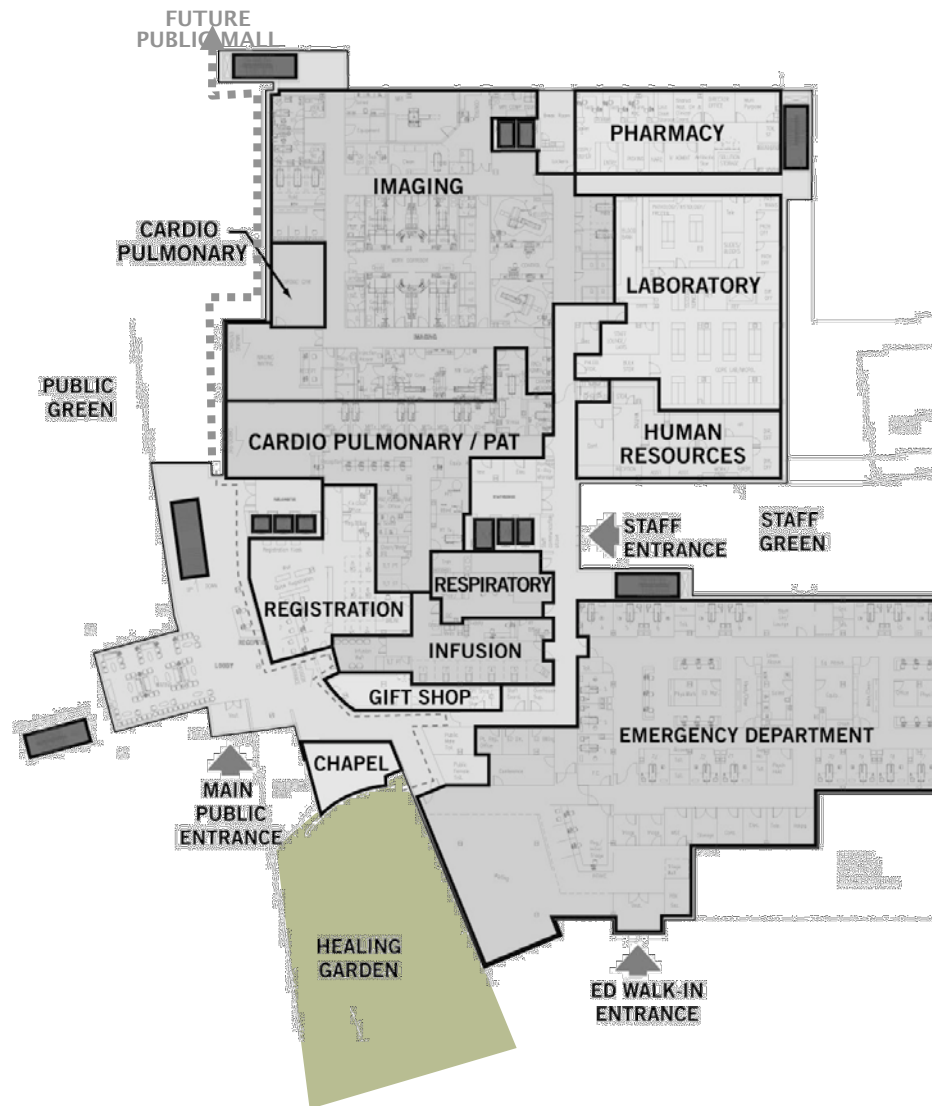
Department Layouts



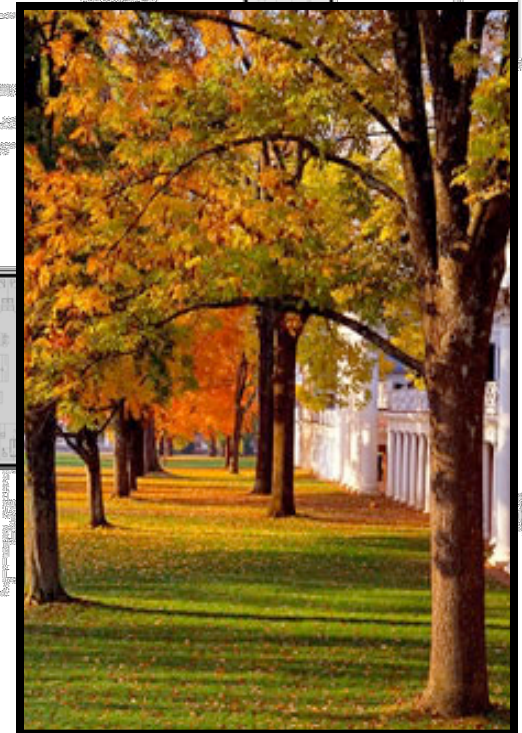
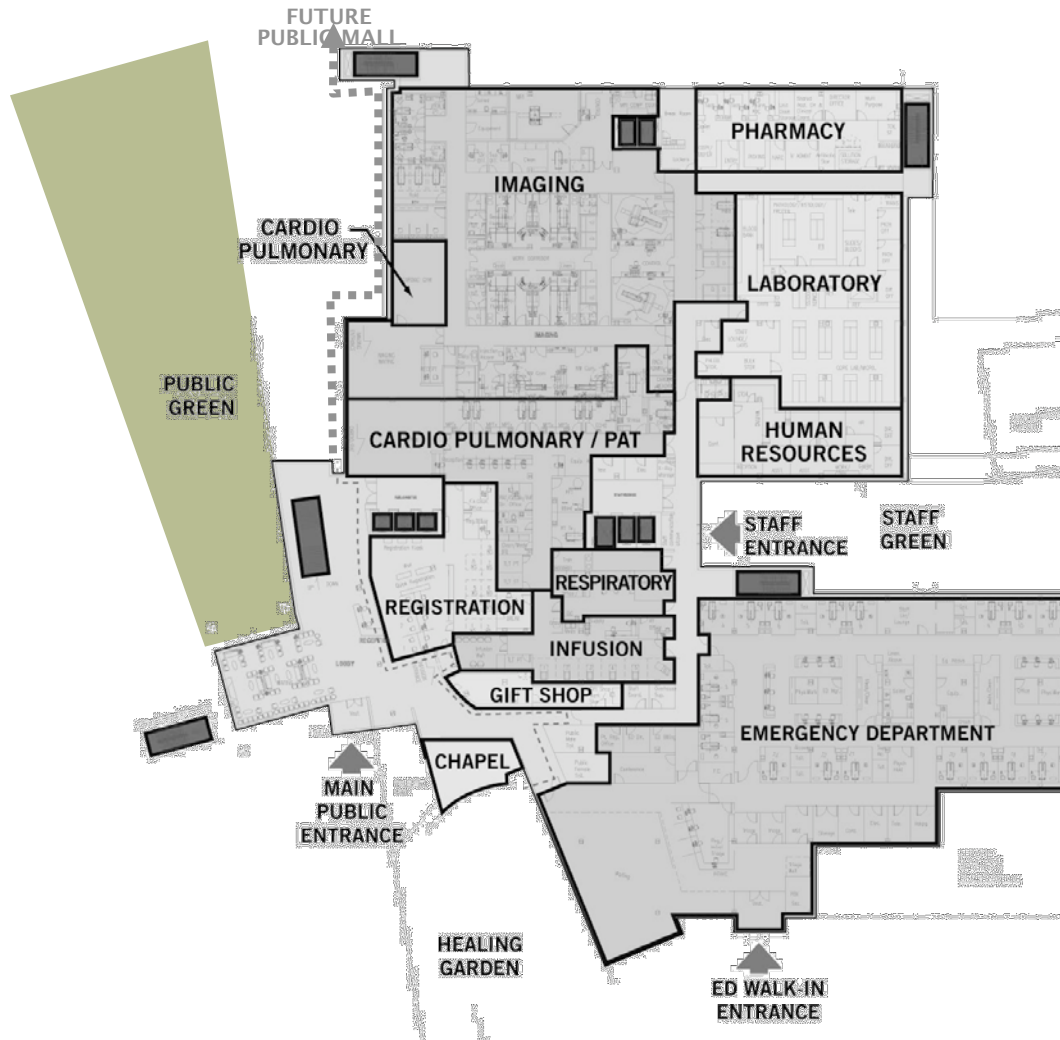
Department Layouts



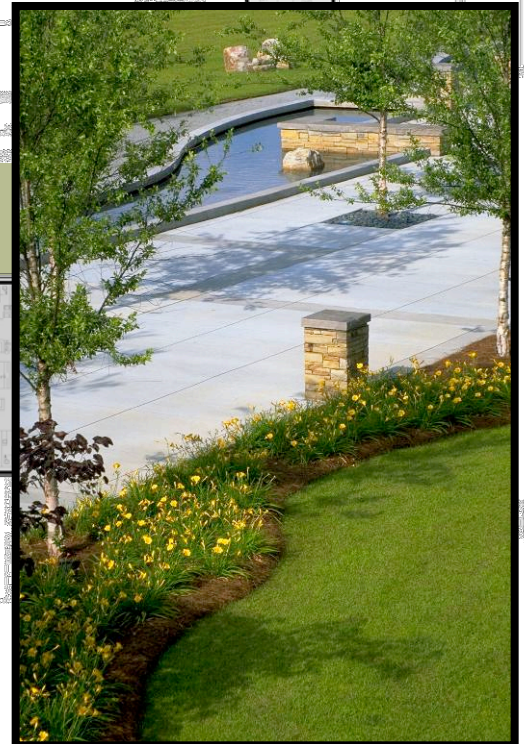
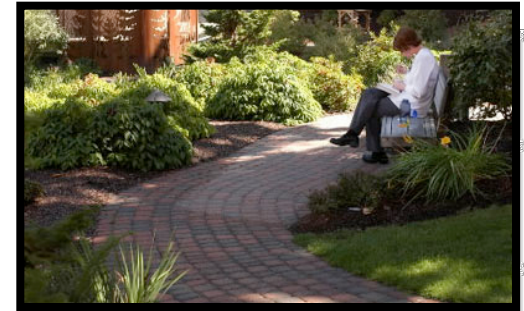
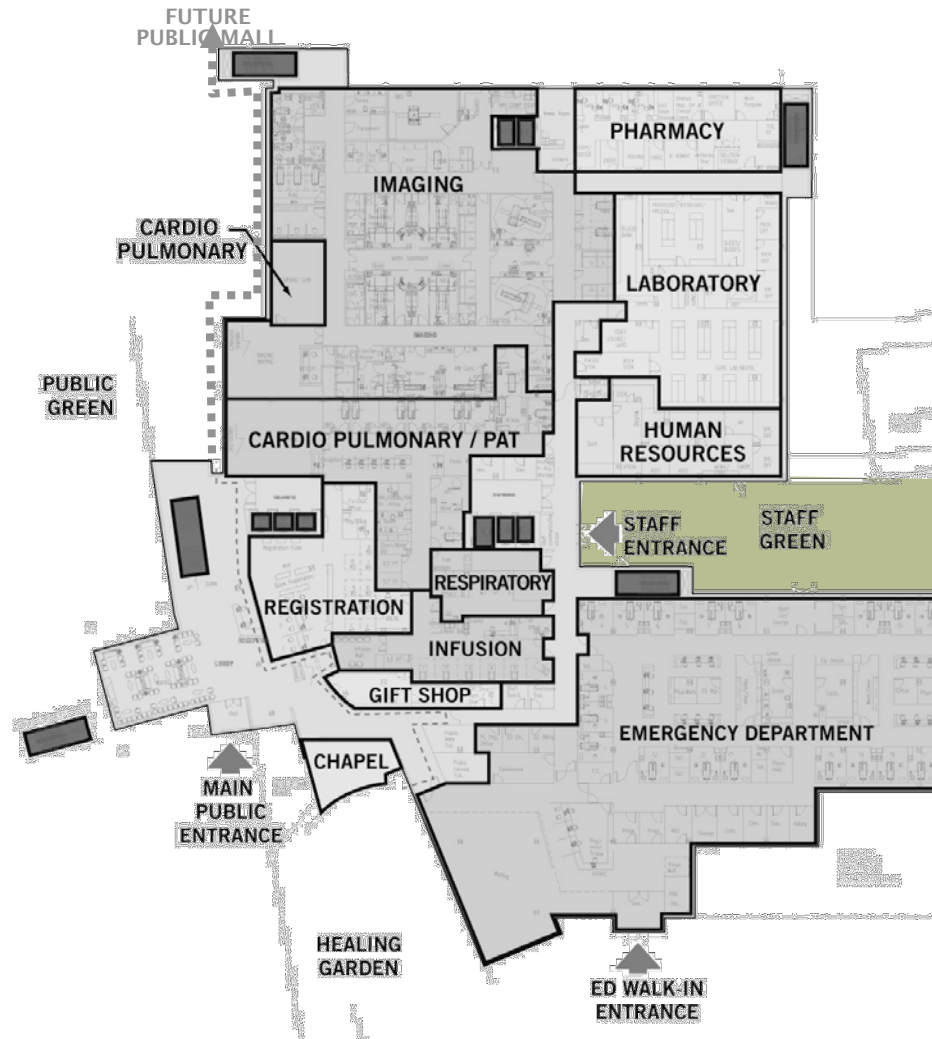
Department Layouts



Department Layouts












Department Layouts

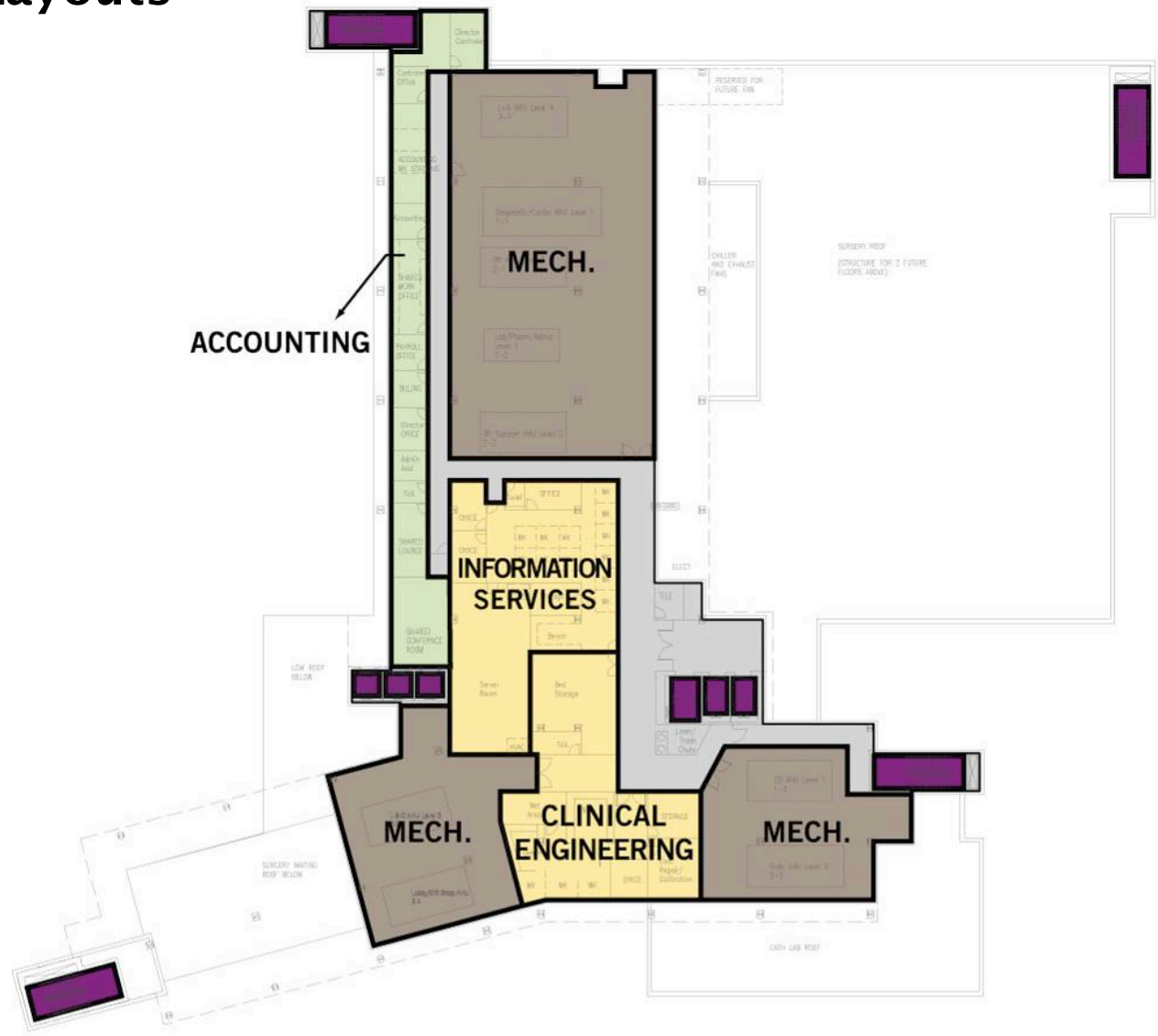


Department Layouts

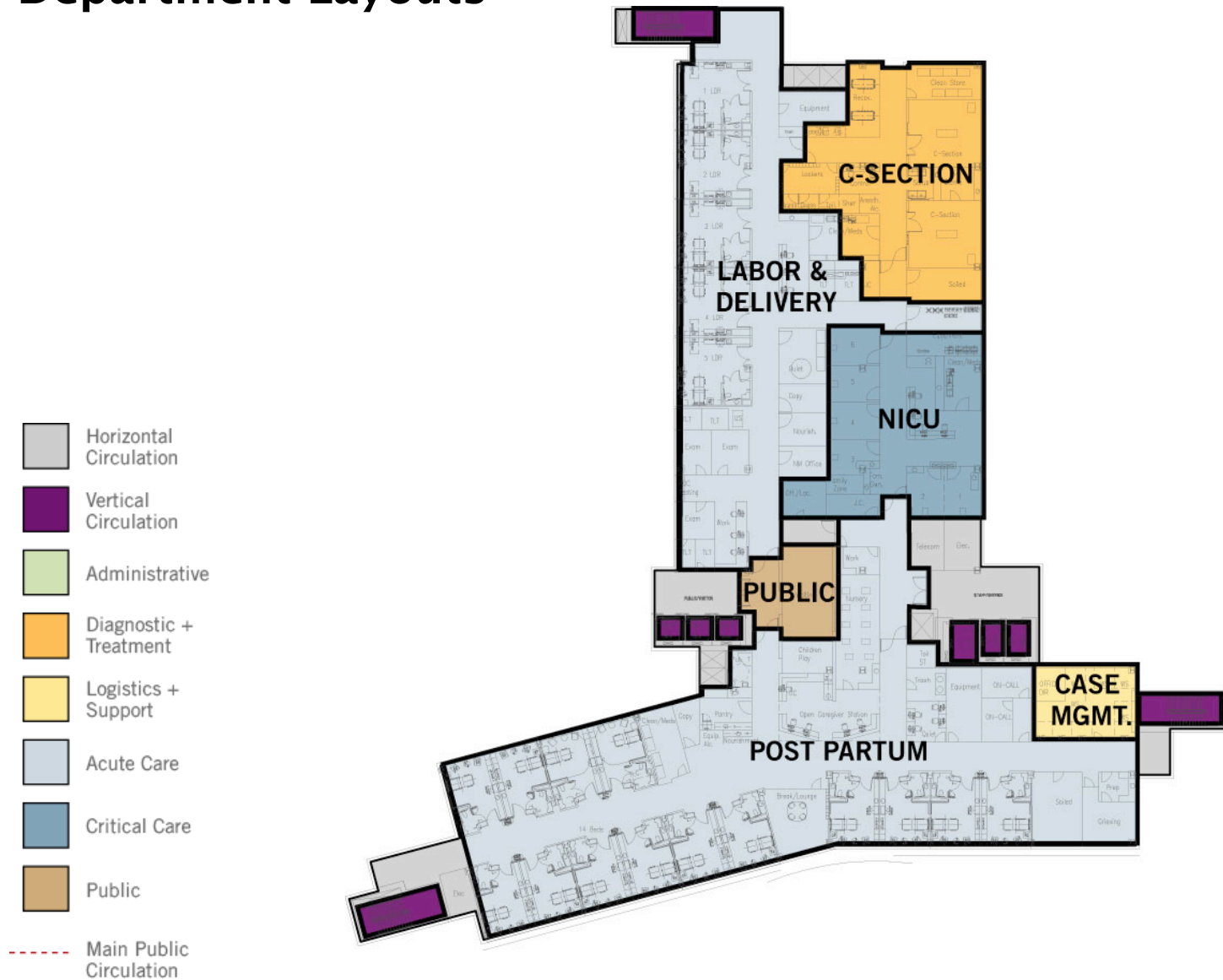


Department Layouts









-  Horizontal Circulation
-  Vertical Circulation
-  Administrative
-  Diagnostic + Treatment
-  Logistics + Support
-  Acute Care
-  Critical Care
-  Public
-  Main Public Circulation

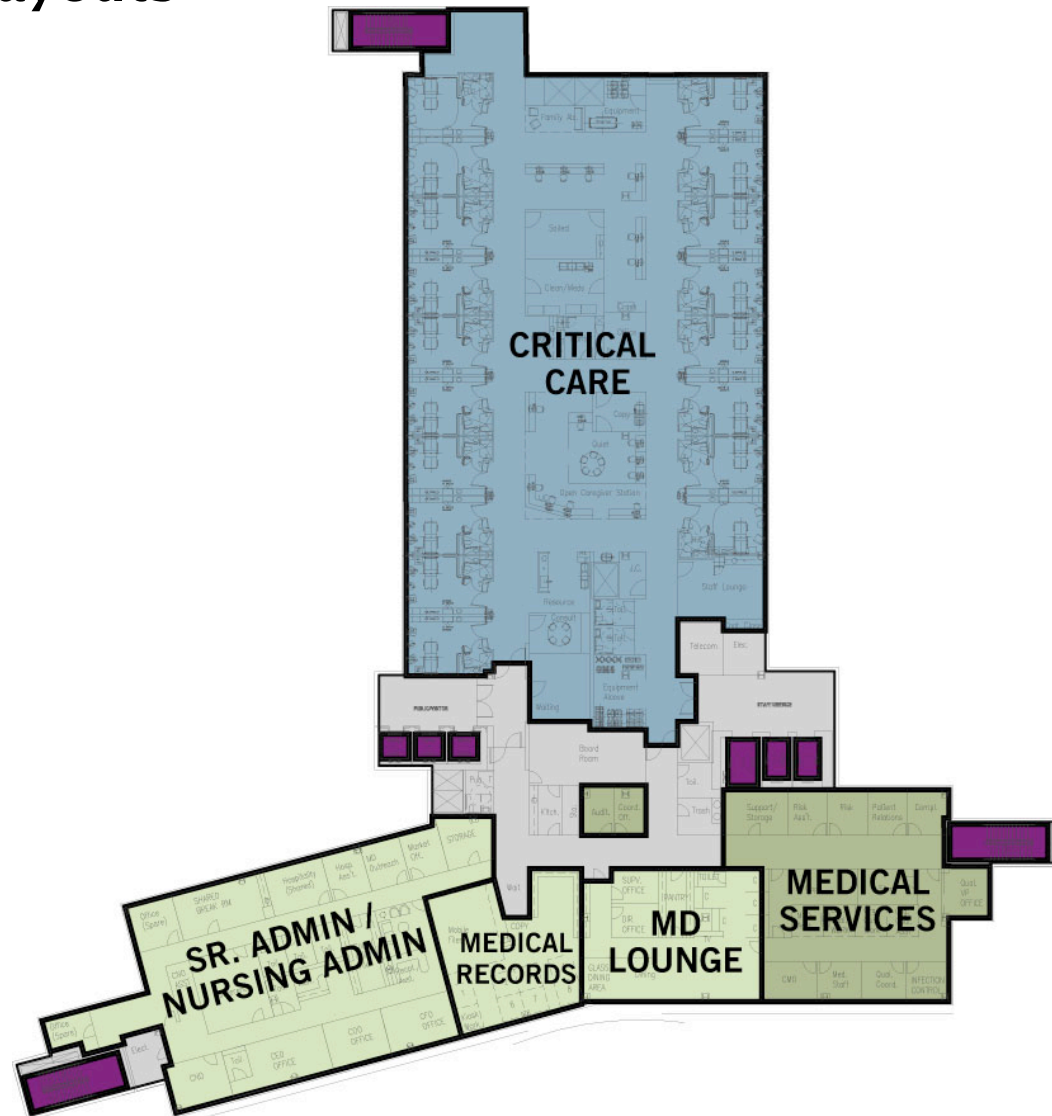


Department Layouts





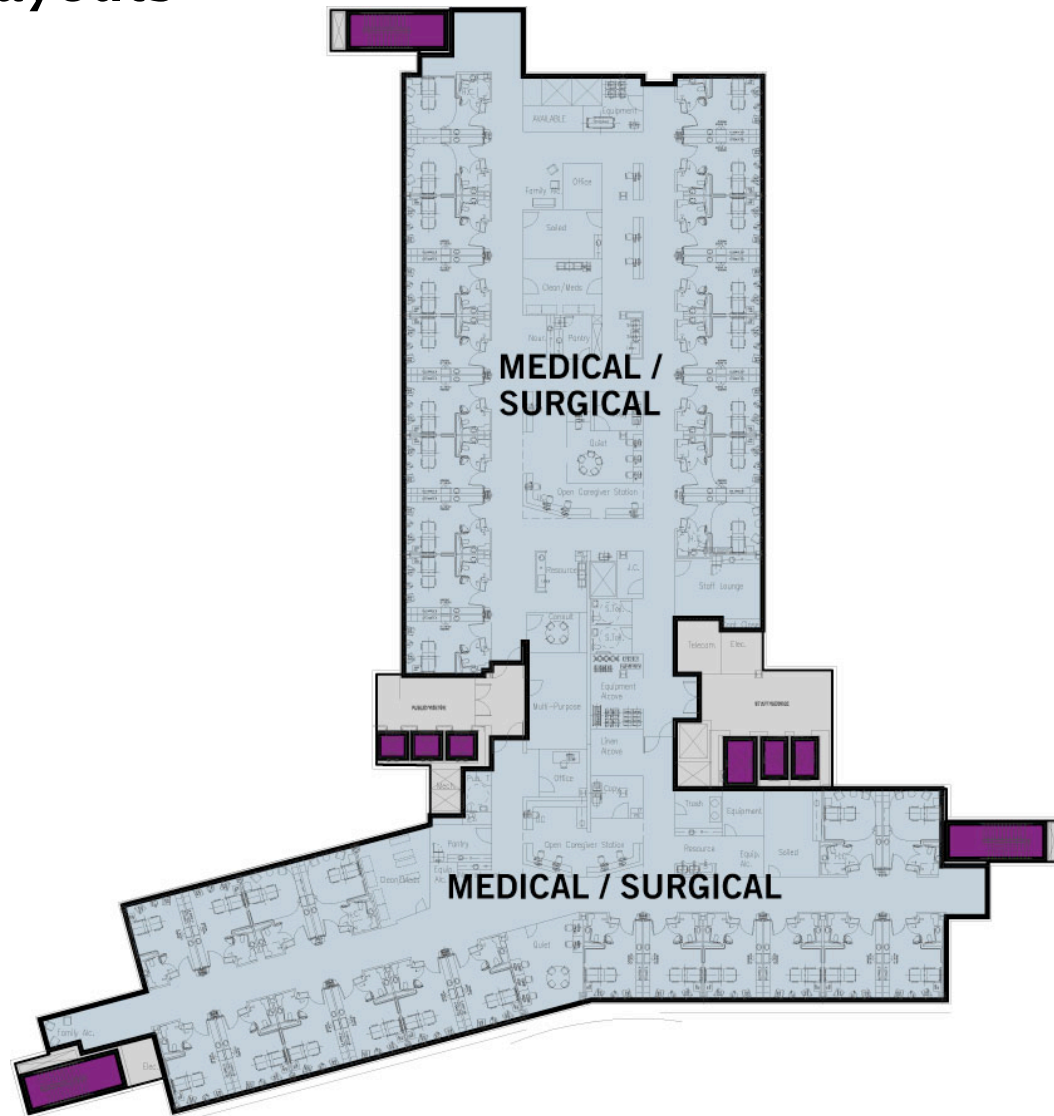
Department Layouts

-  Horizontal Circulation
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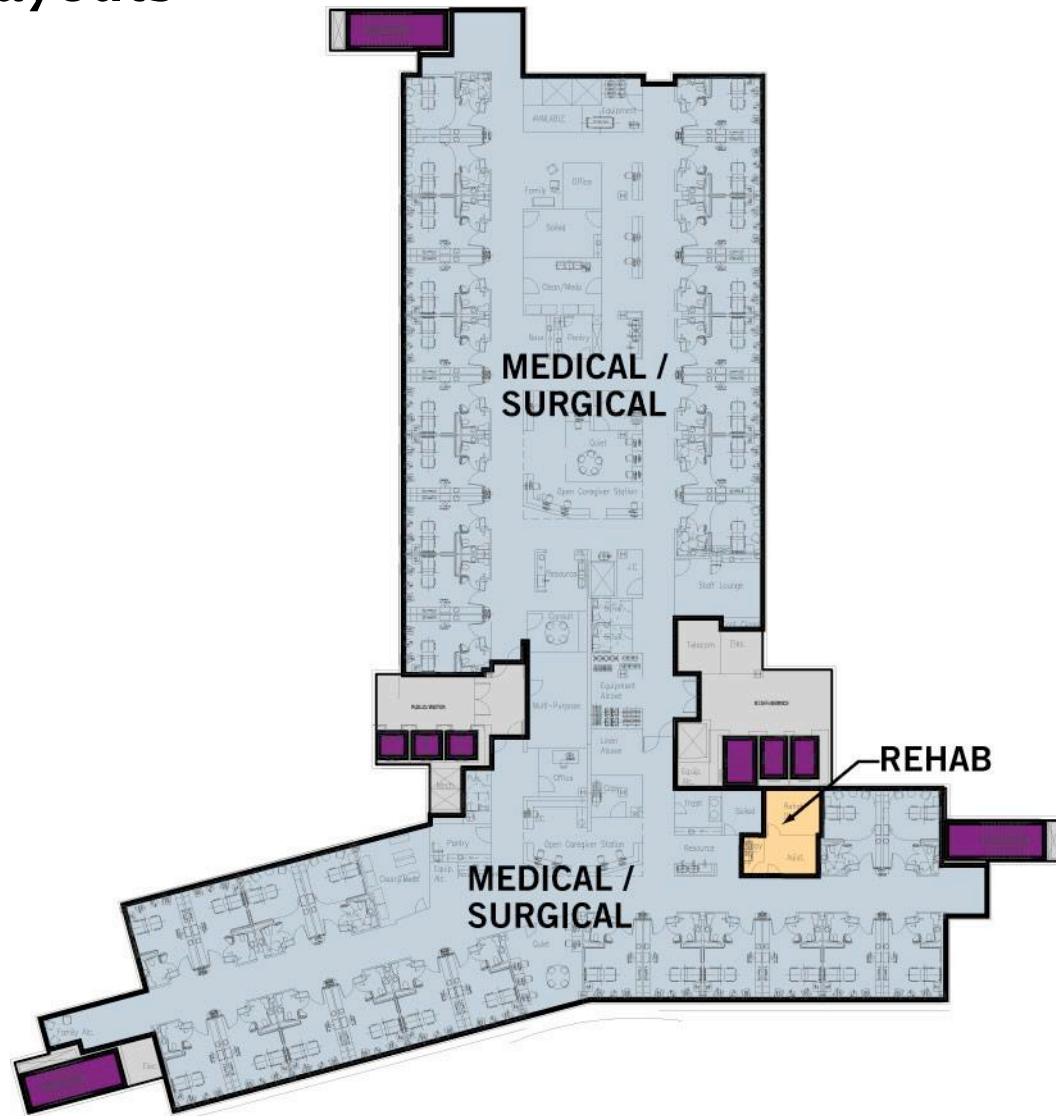
Department Layouts

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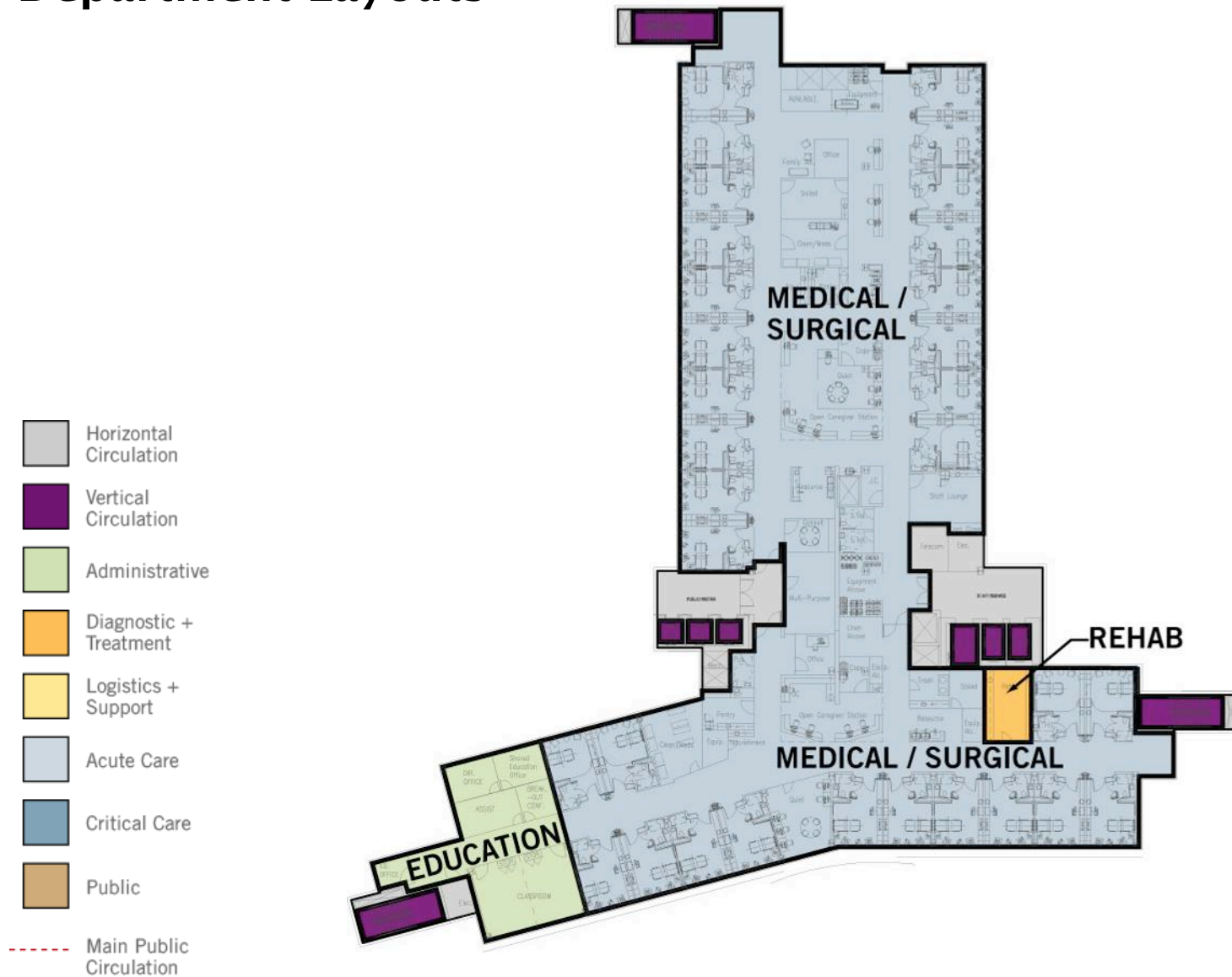


Department Layouts

-  Horizontal Circulation
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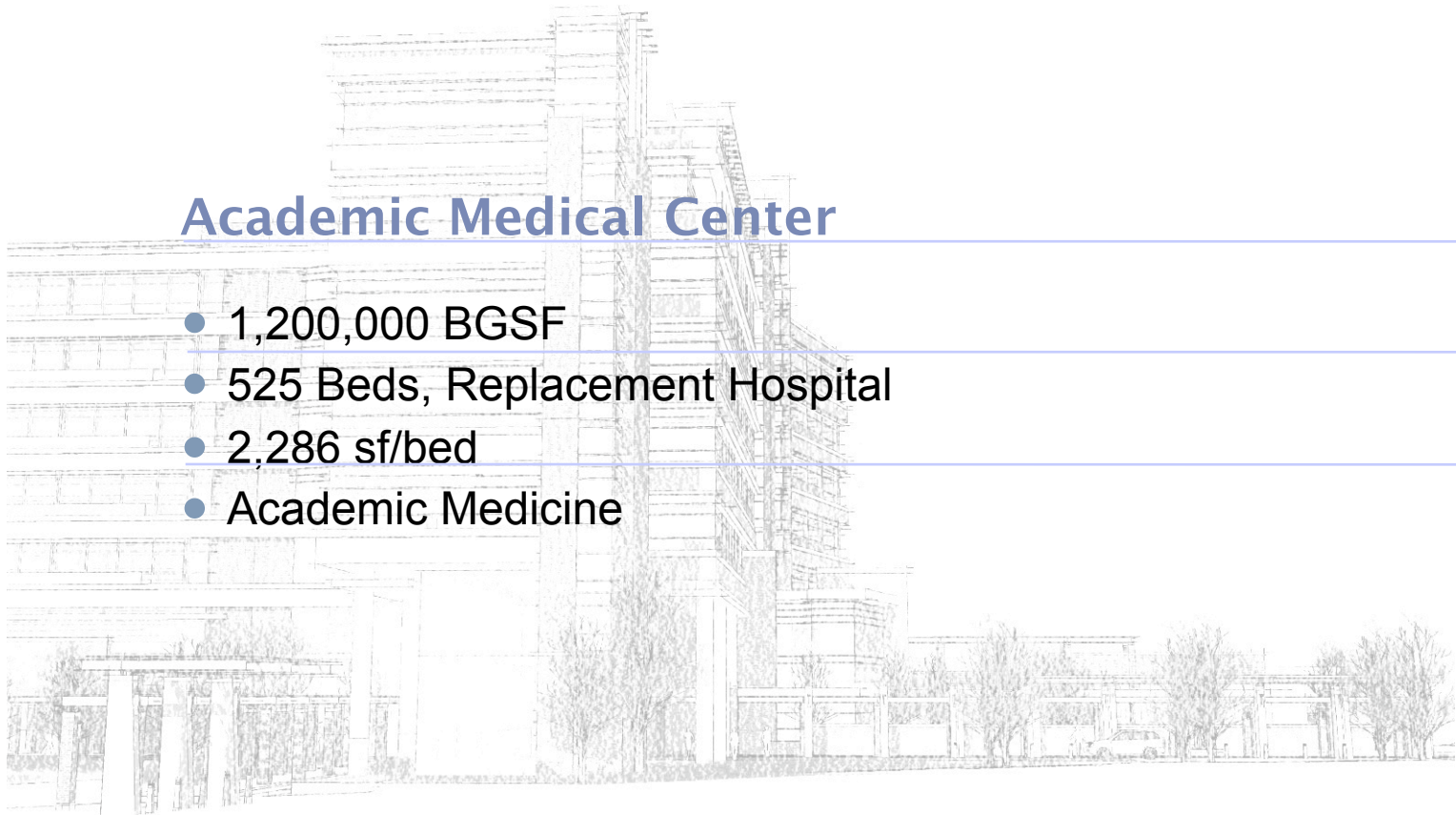
Department Layouts

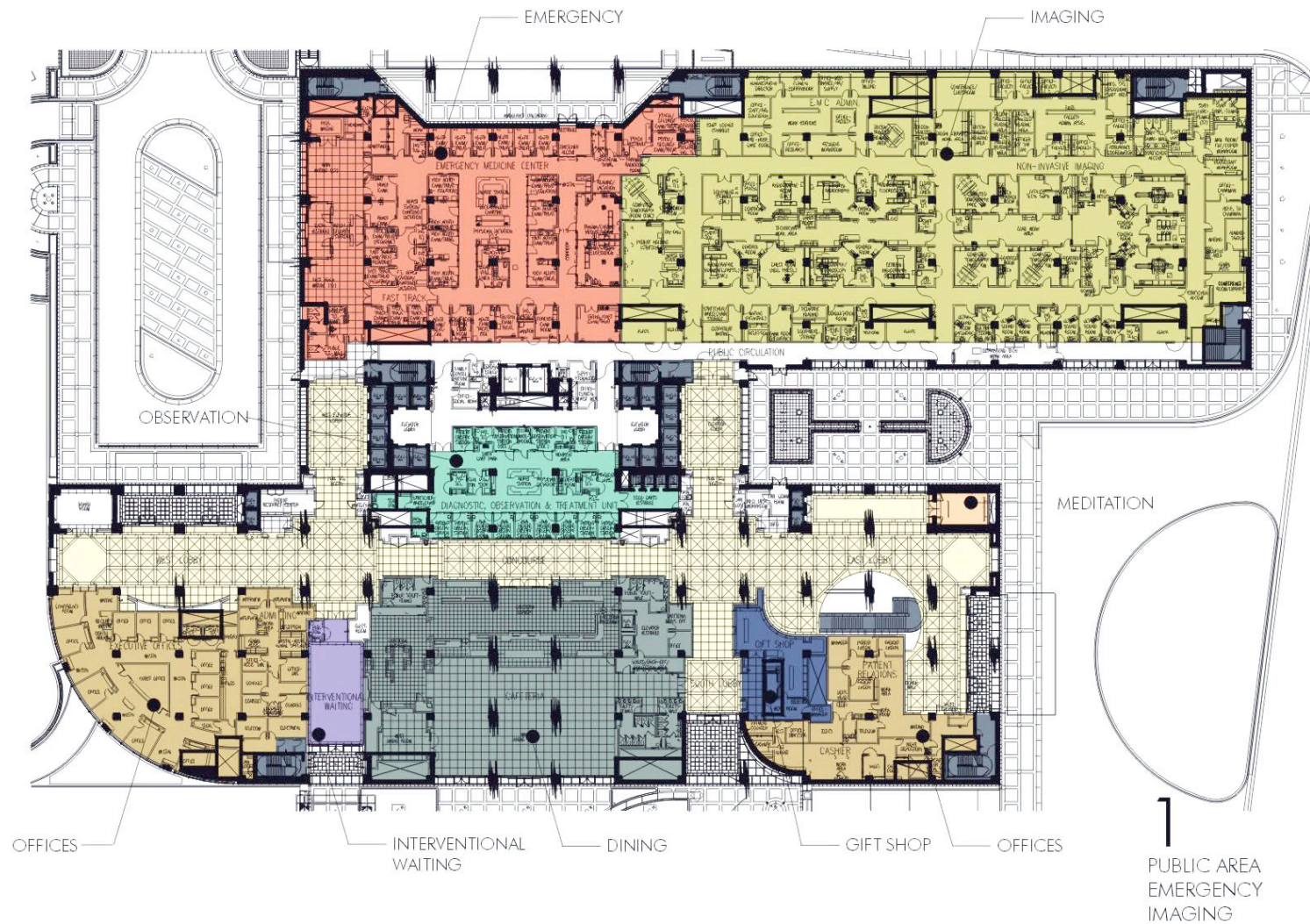


Designing for the Future

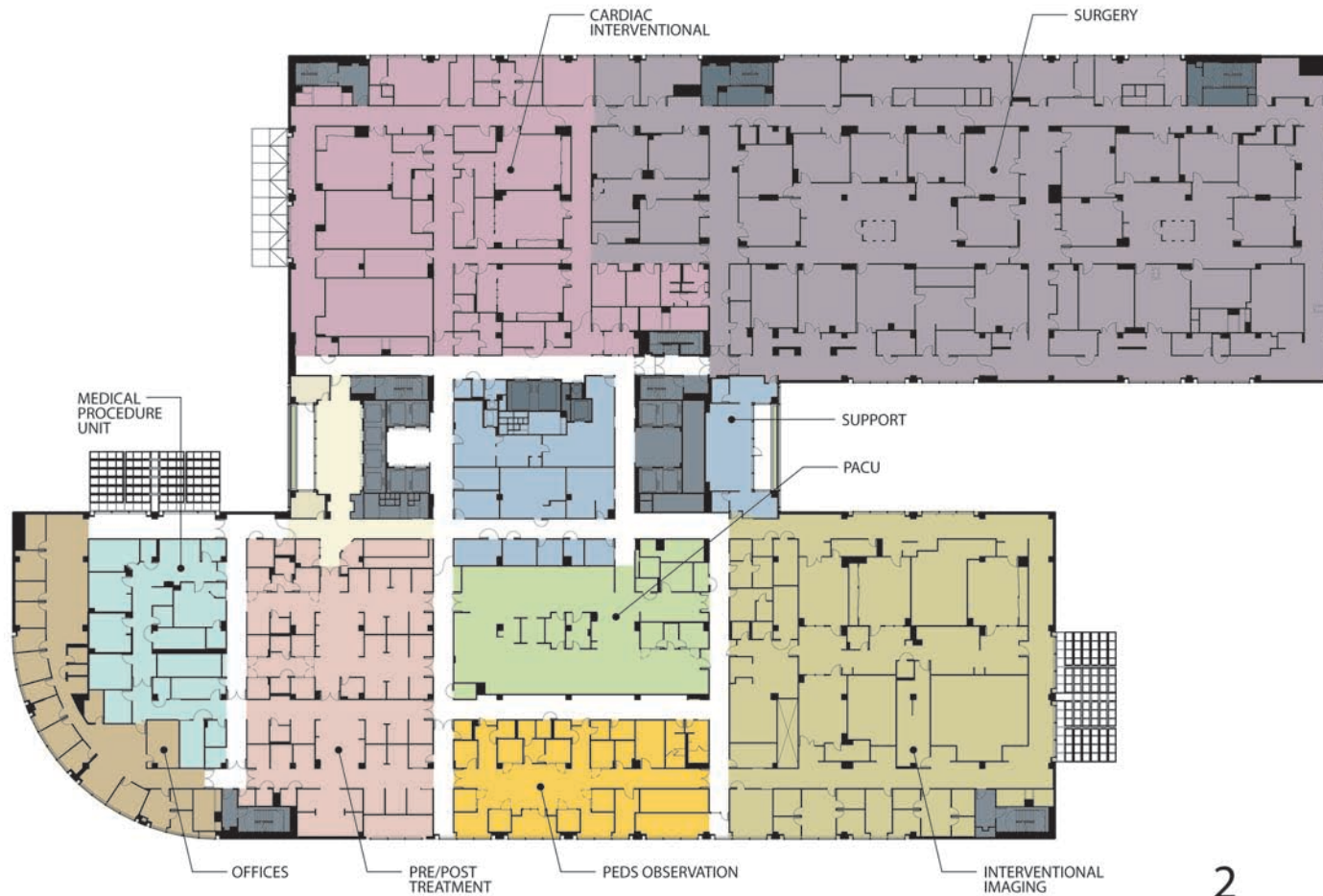
Academic Medical Center

- 1,200,000 BGSF
- 525 Beds, Replacement Hospital
- 2,286 sf/bed
- Academic Medicine





Department Layouts



2
INTERVENTIONAL

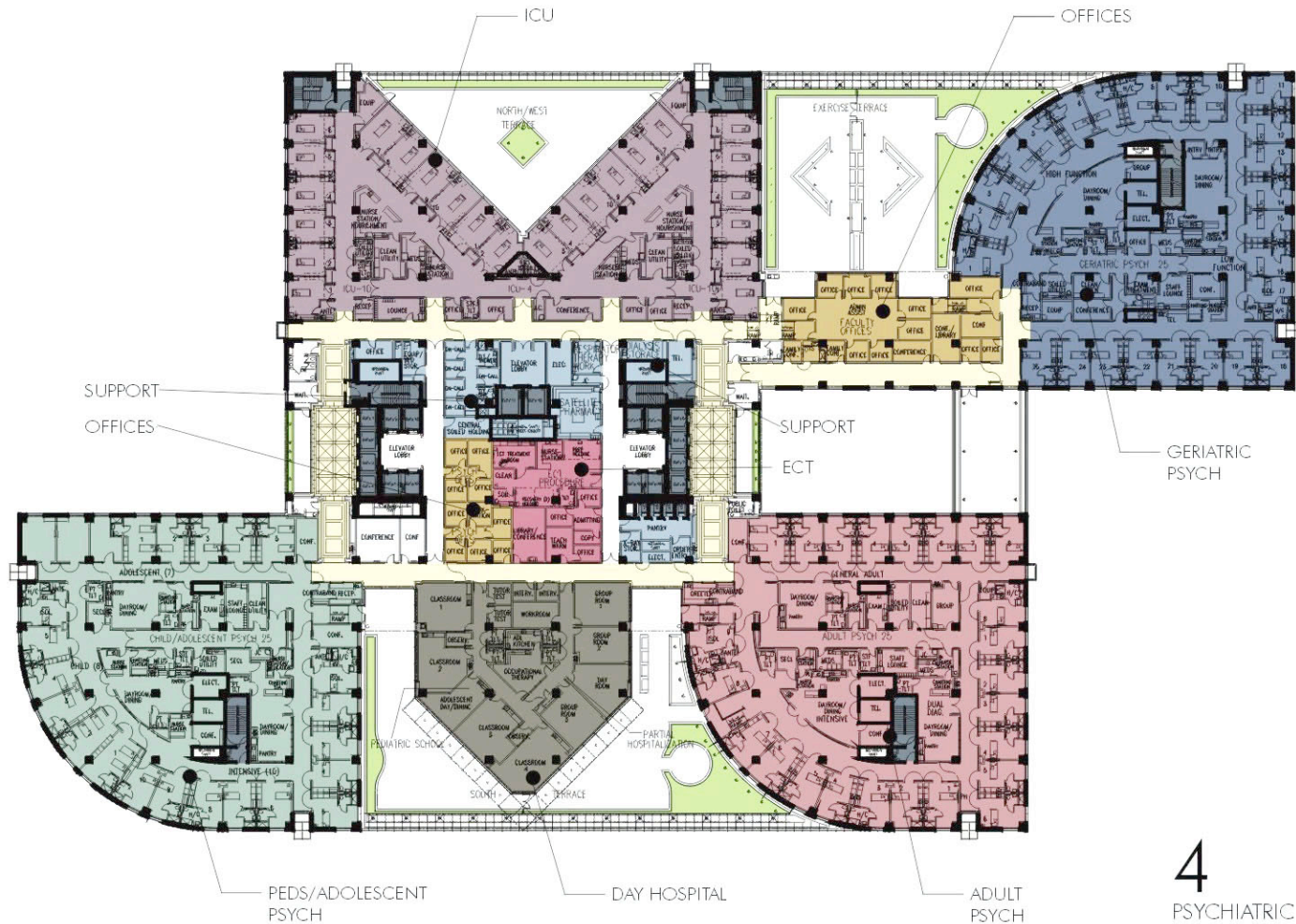
Department Layouts



3

MECHANICAL/
INTV. SUPPORT
NEURO/ACUTE REHAB

Department Layouts

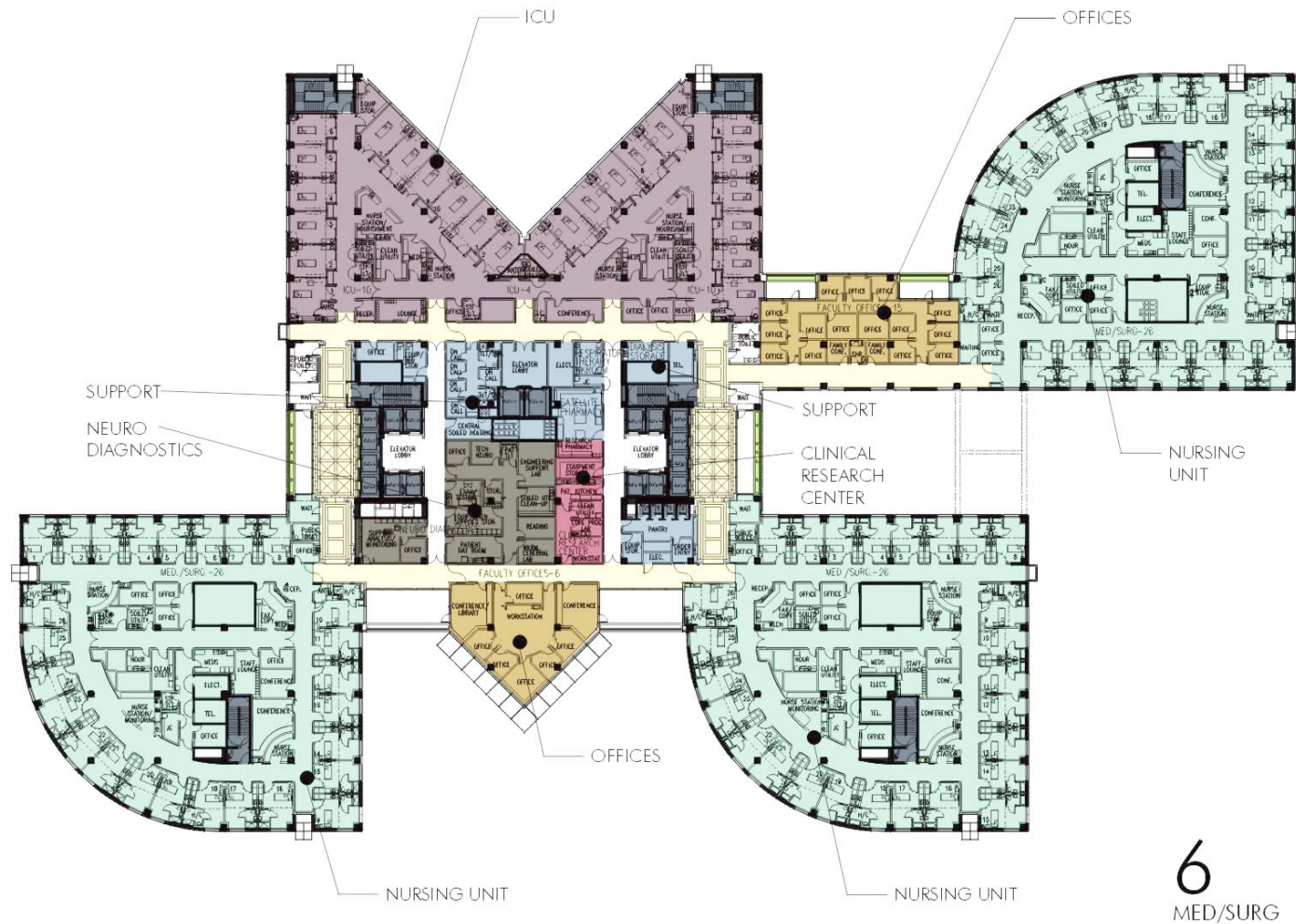


4
PSYCHIATRIC HOSPITAL

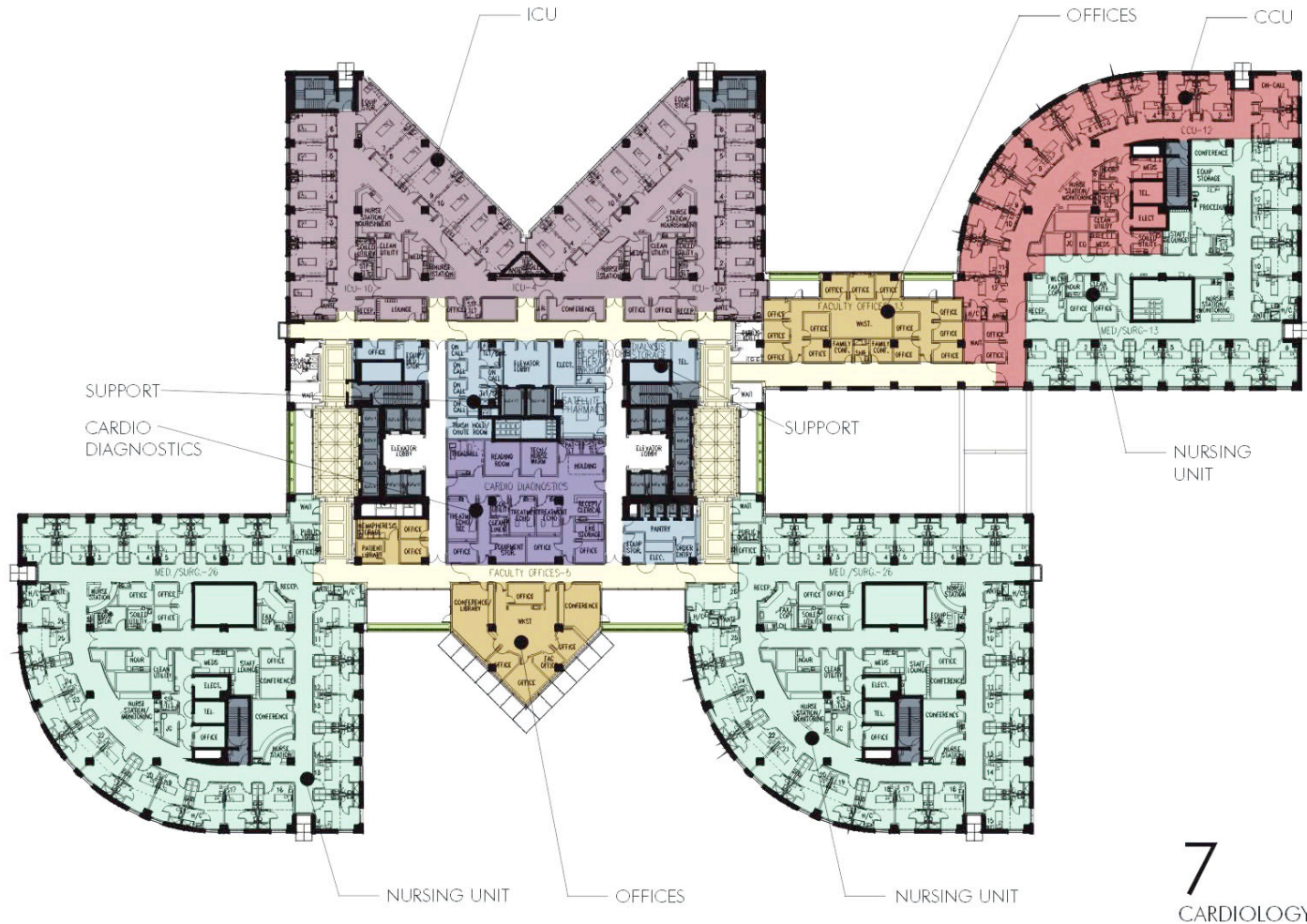


MATTEL CHILDREN'S
HOSPITAL AT UCLA
OB/PERINATAL

Department Layouts

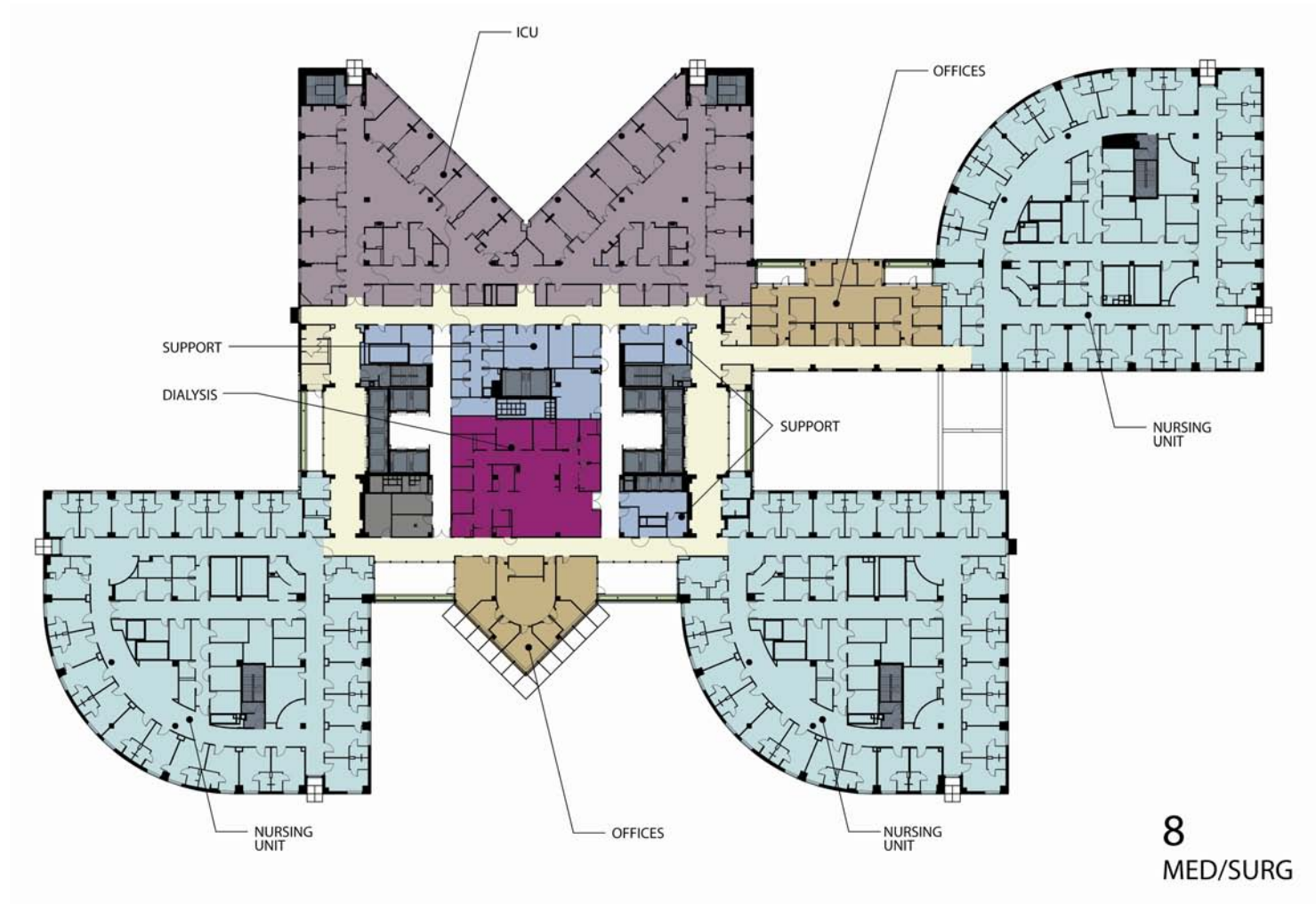


Department Layouts



7
CARDIOLOGY

Department Layouts



Designing for the Future

Critical Access Hospital

- 63,000 BGSF
- 41 Beds, “Outpatient Facility with Beds”
- 1,536 sf/bed
- Blurred departmental boundaries
- Minimal non-clinical space

Department Layouts

